Start	2643	End	2743
GI	none	Score	.91
Exons	2643..2743		

Seq. No.	49312	Seq. ID	OJ990713_07.0419.C18
Gene No.	104949	Strand	-
Start	160	End	568
Name	OJ990713_07.0419.C18.o1.gp	Method	AAT/GAP
Start	160	End	568
GI	none	Score	611
Exons	160..568		

Seq. No.	49313	Seq. ID	OJ990713_07.0419.C19
Gene No.	104950	Strand	-
Start	1087	End	1203
Name	OJ990713_07.0419.C19.o1.gs	Method	GENSCAN
Start	1087	End	1203
GI	none	Score	.75
Exons	1087..1203		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104951	Strand	+
Start	1	End	5185
Name	OJ990713_07.0419.C20.o1.np	Method	AAT/NAP
Start	1	End	3907
GI	7444451	Score	3714
Exons	1..1938, 2002..2243, 2274..3907		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104951	Strand	+
Start	1	End	5185
Name	OJ990713_07.0419.C20.o1.gs	Method	GENSCAN
Start	6	End	5185
GI	none	Score	.83
Exons	6..2356, 2660..2945, 3022..3397, 3466..3620, 3740..3859, 4970..5185		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104952	Strand	-
Start	5629	End	5981
Name	OJ990713_07.0419.C20.o2.gs	Method	GENSCAN
Start	5629	End	5981
GI	none	Score	.88
Exons	5629..5847, 5901..5981		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o1.tw	Method	TBLASTX:Wheat
Start	381	End	770
GI	none	Score	413
Exons	381..770, 398..667, 492..764		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20

Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o4.tm	Method	TBLASTX:Maize
Start	477	End	779
GI	none	Score	264
Exons	477..779, 482..700, 627..746		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o4.ts	Method	TBLASTX:Soybean
Start	864	End	1265
GI	none	Score	77
Exons	864..959, 963..1070, 1092..1265		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o3.tm	Method	TBLASTX:Maize
Start	1269	End	1696
GI	none	Score	64
Exons	1269..1358, 1380..1694, 1511..1696		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o3.ts	Method	TBLASTX:Soybean
Start	1272	End	1703
GI	none	Score	260
Exons	1272..1703		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o1.tc	Method	TBLASTX:Cress
Start	1275	End	1724
GI	none	Score	336
Exons	1275..1724		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o3.tw	Method	TBLASTX:Wheat
Start	1377	End	1733
GI	none	Score	287
Exons	1377..1733, 1394..1717		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o2.ts	Method	TBLASTX:Soybean
Start	2383	End	2885
GI	5509260	Score	133
Exons	2383..2598, 2505..2591, 2583..2885, 2708..2872		
GI Descrip.	-		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20

Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o7.tm	Method	TBLASTX:Maize
Start	2422	End	2678
GI	none	Score	135
Exons	2422..2592, 2430..2591, 2583..2678		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o2.tc	Method	TBLASTX:Cress
Start	2503	End	2768
GI	none	Score	118
Exons	2503..2592, 2514..2591, 2583..2768, 2597..2749, 2691..2759		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o4.tw	Method	TBLASTX:Wheat
Start	2551	End	2894
GI	none	Score	53
Exons	2551..2604, 2583..2678, 2733..2894, 2739..2858		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o2.tm	Method	TBLASTX:Maize
Start	2682	End	3126
GI	none	Score	257
Exons	2682..2936, 2702..2923, 2948..2995, 3025..3126		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o2.tw	Method	TBLASTX:Wheat
Start	2684	End	3497
GI	none	Score	363
Exons	2684..2731, 3061..3396, 3061..3303, 3066..3380, 3411..3497, 3457..3495		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o5.tm	Method	TBLASTX:Maize
Start	3195	End	3411
GI	none	Score	263
Exons	3195..3404, 3196..3405, 3199..3411		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	3262	End	3769
GI	none	Score	147
Exons	3262..3411, 3264..3389, 3411..3761, 3455..3649, 3459..3761, 3680..3769		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	3428	End	3850
GI	none	Score	141
Exons	3428..3556, 3435..3563, 3563..3631, 3564..3761, 3686..3769, 3761..3850		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o1.gp	Method	AAT/GAP
Start	6978	End	8826
GI	29364_1.R1084	Score	1190
Exons	6978..7296, 7465..7616, 7827..7857, 8585..8694, 8775..8826		
GI Descrip.	'2760323 6.0e-32 (AC002130) F1N21.8 [Arabidopsis thaliana]'		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o6.tm	Method	TBLASTX:Maize
Start	7088	End	8839
GI	none	Score	49
Exons	7088..7150, 7094..7147, 7173..7196, 7180..7227, 7199..7228, 7200..7229, 7227..7331, 7230..7313, 7231..7338, 7462..7620, 7502..7615, 7513..7617, 7513..7602, 7513..7602, 8570..8695, 8584..8685, 8585..8695, 8586..8696, 8592..8705, 8594..8683, 8746..8826, 8774..8827, 8774..8839		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o5.ts	Method	TBLASTX:Soybean
Start	7441	End	8826
GI	none	Score	121
Exons	7441..7602, 7465..7620, 7474..7602, 7514..7612, 8567..8683, 8573..8692, 8585..8680, 8592..8702, 8594..8686, 8594..8695, 8595..8693, 8776..8826		

Seq. No.	49314	Seq. ID	OJ990713_07.0419.C20
Gene No.	104953	Strand	-
Start	6978	End	8839
Name	OJ990713_07.0419.C20.o2.np	Method	AAT/NAP
Start	7465	End	8686
GI	2760323	Score	250
Exons	7465..7619, 8560..8686		
GI Descrip.	(AC002130) F1N21.8 [Arabidopsis thaliana]		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	1088
GI	2760323	Score	317
Exons	1..27, 420..714, 810..922, 1022..1088		
GI Descrip.	(AC002130) F1N21.8 [Arabidopsis thaliana]		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	410	End	1070
GI	none	Score	206
Exons	410..679, 423..668, 481..669, 544..681, 545..682, 799..903, 799..861, 810..944, 810..932, 819..911, 822..923, 823..903, 834..926, 1018..1068, 1020..1070		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o1.gp	Method	AAT/GAP
Start	422	End	512
GI	29364_1.R1084	Score	156
Exons	422..512		
GI Descrip.	'2760323 6.0e-32 (AC002130) F1N21.8 [Arabidopsis thaliana]'		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	424	End	1070
GI	none	Score	80
Exons	424..492, 503..553, 553..612, 655..726, 811..903, 813..932, 816..911, 822..914, 828..914, 1018..1068, 1020..1070		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o1.gs	Method	GENSCAN
Start	426	End	1190
GI	none	Score	.96
Exons	426..711, 810..922, 1022..1067, 1188..1190		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o1.tc	Method	TBLASTX:Cress
Start	811	End	1071
GI	none	Score	75
Exons	811..903, 813..932, 831..941, 1020..1070, 1021..1071		

Seq. No.	49315	Seq. ID	OJ990713_07.0419.C21
Gene No.	104954	Strand	-
Start	1	End	1257
Name	OJ990713_07.0419.C21.o2.gp	Method	AAT/GAP
Start	818	End	1257
GI	97026_1.R1084	Score	259
Exons	818..922, 1022..1076, 1193..1257		
GI Descrip.	'2760323 2.0e-19 (AC002130) F1N21.8 [Arabidopsis thaliana]'		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104955	Strand	+
Start	1548	End	2691

Name	OJ990713_07.0419.C24.o1.gs	Method	GENSCAN
Start	1548	End	2691
GI	none	Score	.71
Exons	1548..1654, 1678..2189, 2264..2691		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o1.gp	Method	AAT/GAP
Start	1367	End	2012
GI	18766_1.R1084	Score	1202
Exons	1367..2012		
GI Descrip.	'2827528|emb|CAA16536.1| 4.0e-17 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o1.np	Method	AAT/NAP
Start	1731	End	2512
GI	7486663	Score	578
Exons	1731..2284, 2359..2512		
GI Descrip.	hypothetical protein F8F16.150 - Arabidopsis thaliana gi|2827528|emb|CAA16536.1| (AL021633) predicted protein [Arabidopsis thaliana] gi|7270035|emb|CAB79851.1| (AL161578) predicted protein [Arabidopsis thaliana]		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o2.tm	Method	TBLASTX:Maize
Start	1760	End	1933
GI	none	Score	137
Exons	1760..1933, 1766..1933		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o2.ts	Method	TBLASTX:Soybean
Start	1784	End	1957
GI	none	Score	112
Exons	1784..1957, 1784..1954		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	1790	End	2526
GI	none	Score	102
Exons	1790..1957, 1790..1954, 1809..2039, 2003..2287, 2085..2285, 2359..2526		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	2135	End	2527

GI	none	Score	119
Exons	2135..2287, 2136..2291, 2357..2527, 2359..2526		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	2186	End	2524
GI	none	Score	100
Exons	2186..2287, 2187..2282, 2359..2523, 2360..2524		

Seq. No.	49316	Seq. ID	OJ990713_07.0419.C24
Gene No.	104956	Strand	-
Start	1367	End	2606
Name	OJ990713_07.0419.C24.o2.gp	Method	AAT/GAP
Start	2397	End	2606
GI	428385	Score	396
Exons	2397..2606		

Seq. No.	49317	Seq. ID	OJ990713_07.0419.C25
Gene No.	104957	Strand	-
Start	1385	End	2037
Name	OJ990713_07.0419.C25.o1.gs	Method	GENSCAN
Start	1385	End	2037
GI	none	Score	.46
Exons	1385..1563, 2031..2037		

Seq. No.	49318	Seq. ID	OJ990713_07.0419.C27
Gene No.	104958	Strand	+
Start	1	End	2776
Name	OJ990713_07.0419.C27.o1.gp	Method	AAT/GAP
Start	1	End	2751
GI	60_1.R1084	Score	1801
Exons	1..151, 285..468, 572..663, 1020..1172, 1566..1642, 2220..2361, 2444..2551, 2666..2751		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza sativa]'		

Seq. No.	49318	Seq. ID	OJ990713_07.0419.C27
Gene No.	104958	Strand	+
Start	1	End	2776
Name	OJ990713_07.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	2776
GI	3252794	Score	1543
Exons	1..151, 285..467, 571..663, 1020..1172, 1566..1642, 2220..2361, 2444..2551, 2666..2776		
GI Descrip.	(AB015615) isoamylase [Oryza sativa]		

Seq. No.	49318	Seq. ID	OJ990713_07.0419.C27
Gene No.	104958	Strand	+
Start	1	End	2776
Name	OJ990713_07.0419.C27.o1.gs	Method	GENSCAN
Start	276	End	2751
GI	none	Score	.48
Exons	276..467, 553..663, 1020..1172, 1566..1642, 2220..2361, 2444..2551, 2666..2751		

Seq. No.	49318	Seq. ID	OJ990713_07.0419.C27
Gene No.	104958	Strand	+
Start	1	End	2776
Name	OJ990713_07.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	1032	End	2755
GI	none	Score	174
Exons	1032..1148, 1032..1148, 1034..1180, 1034..1150, 1559..1642, 1563..1643, 1565..1639, 2215..2364, 2220..2372, 2439..2573, 2441..2551, 2442..2570, 2443..2574, 2444..2575, 2654..2755, 2663..2743, 2664..2747, 2665..2748		

Seq. No.	49318	Seq. ID	OJ990713_07.0419.C27
Gene No.	104958	Strand	+
Start	1	End	2776
Name	OJ990713_07.0419.C27.o1.ts	Method	TBLASTX:Soybean
Start	2283	End	2755
GI	none	Score	112
Exons	2283..2372, 2284..2364, 2441..2494, 2443..2490, 2444..2575, 2461..2550, 2654..2755, 2665..2748		

Seq. No.	49319	Seq. ID	OJ990713_07.0419.C28
Gene No.	104959	Strand	+
Start	1	End	449
Name	OJ990713_07.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	449
GI	4929177	Score	138
Exons	1..45, 295..449		
GI Descrip.	(AF142590) isoamylase 1 [Triticum aestivum]		

Seq. No.	49319	Seq. ID	OJ990713_07.0419.C28
Gene No.	104959	Strand	+
Start	1	End	449
Name	OJ990713_07.0419.C28.o1.gs	Method	GENSCAN
Start	105	End	387
GI	none	Score	.47
Exons	105..119, 295..387		

Seq. No.	49319	Seq. ID	OJ990713_07.0419.C28
Gene No.	104959	Strand	+
Start	1	End	449
Name	OJ990713_07.0419.C28.o1.gp	Method	AAT/GAP
Start	295	End	387
GI	60_1.R1084	Score	142
Exons	295..387		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza sativa]'		

Seq. No.	49320	Seq. ID	OJ990713_07.0419.C30
Gene No.	104960	Strand	+
Start	1	End	1074
Name	OJ990713_07.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	1074
GI	7228456	Score	1339
Exons	1..1074		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49320	Seq. ID	OJ990713_07.0419.C30

Gene No.	104960	Strand	+
Start	1	End	1074
Name	OJ990713_07.0419.C30.o1.gs	Method	GENSCAN
Start	106	End	1059
GI	none	Score	.86
Exons	106..243, 276..881, 938..1059		

Seq. No.	49321	Seq. ID	OJ990713_07.0419.C34
Gene No.	104961	Strand	+
Start	1	End	1236
Name	OJ990713_07.0419.C34.o1.gp	Method	AAT/GAP
Start	1	End	231
GI	3761696	Score	396
Exons	1..231		
GI Descrip.	3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]		

Seq. No.	49321	Seq. ID	OJ990713_07.0419.C34
Gene No.	104961	Strand	+
Start	1	End	1236
Name	OJ990713_07.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	498278	Score	487
Exons	1..254, 309..986, 1188..1236		
GI Descrip.	(L27341) receptor kinase [Petunia inflata]		

Seq. No.	49321	Seq. ID	OJ990713_07.0419.C34
Gene No.	104961	Strand	+
Start	1	End	1236
Name	OJ990713_07.0419.C34.o1.gs	Method	GENSCAN
Start	114	End	808
GI	none	Score	.81
Exons	114..808		

Seq. No.	49321	Seq. ID	OJ990713_07.0419.C34
Gene No.	104961	Strand	+
Start	1	End	1236
Name	OJ990713_07.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	609	End	935
GI	none	Score	109
Exons	609..770, 671..796, 777..935, 842..934		

Seq. No.	49321	Seq. ID	OJ990713_07.0419.C34
Gene No.	104961	Strand	+
Start	1	End	1236
Name	OJ990713_07.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	633	End	935
GI	none	Score	287
Exons	633..935, 671..931		

Seq. No.	49321	Seq. ID	OJ990713_07.0419.C34
Gene No.	104961	Strand	+
Start	1	End	1236
Name	OJ990713_07.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	642	End	935
GI	none	Score	108
Exons	642..788, 786..935		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104962	Strand	+
Start	1	End	1329
Name	OJ990713_07.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	7446370	Score	411
Exons	1..66, 523..1159		
GI Descrip.	receptor-like protein kinase PRK2 - tomato gi|3015486|gb|AAC12253.1| (U58473) receptor-like protein kinase [Lycopersicon esculentum]		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104962	Strand	+
Start	1	End	1329
Name	OJ990713_07.0419.C35.o1.gs	Method	GENSCAN
Start	513	End	1183
GI	none	Score	.51
Exons	513..1053, 1081..1183		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104962	Strand	+
Start	1	End	1329
Name	OJ990713_07.0419.C35.o1.gp	Method	AAT/GAP
Start	954	End	1329
GI	89874_1.R1084	Score	684
Exons	954..1329		
GI Descrip.	'3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]'		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104963	Strand	+
Start	1829	End	2448
Name	OJ990713_07.0419.C35.o2.np	Method	AAT/NAP
Start	1829	End	2448
GI	5922623	Score	132
Exons	1829..1939, 2362..2448		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104964	Strand	-
Start	1482	End	2392
Name	OJ990713_07.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	539	End	1093
GI	none	Score	50
Exons	539..601, 620..853, 983..1093		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104964	Strand	-
Start	1482	End	2392
Name	OJ990713_07.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	581	End	838
GI	none	Score	175
Exons	581..718, 592..717, 734..838, 736..837		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104964	Strand	-
Start	1482	End	2392
Name	OJ990713_07.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	598	End	1114
GI	none	Score	402
Exons	598..837, 599..862, 848..991, 974..1114		

Seq. No.	49322	Seq. ID	OJ990713_07.0419.C35
Gene No.	104964	Strand	-
Start	1482	End	2392
Name	OJ990713_07.0419.C35.o2.gs	Method	GENSCAN
Start	1482	End	2392
GI	none	Score	.7
Exons	1482..1568, 1862..2032, 2303..2392		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104965	Strand	+
Start	4684	End	7591
Name	OJ990713_07.0419.C39.o3.np	Method	AAT/NAP
Start	4670	End	7588
GI	3834304	Score	1267
Exons	4670..5047, 5545..5726, 6098..6247, 6321..6437, 6561..6662, 6886..7059, 7214..7588		
GI Descrip.	(AC005679) Contains similarity to gi|1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb|AE000116, and to hypothetical YABO family PF|00849. [Arabidopsis thaliana]		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104965	Strand	+
Start	4684	End	7591
Name	OJ990713_07.0419.C39.o2.gs	Method	GENSCAN
Start	4684	End	7591
GI	none	Score	.82
Exons	4684..4998, 5405..5476, 5568..5726, 6098..6226, 6321..6437, 6886..7044, 7217..7591		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104966	Strand	-
Start	310	End	3828
Name	OJ990713_07.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	2	End	1727
GI	none	Score	136
Exons	2..142, 12..143, 308..439, 309..440, 464..547, 465..581, 814..1149, 830..1150, 953..1153, 1611..1727, 1627..1719		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104966	Strand	-
Start	310	End	3828
Name	OJ990713_07.0419.C39.o2.ts	Method	TBLASTX:Soybean
Start	2	End	502
GI	none	Score	145
Exons	2..142, 6..143, 12..143, 308..502, 309..476		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39

Gene No.	104966	Strand	-
Start	310	End	3828
Name	OJ990713_07.0419.C39.o1.gs	Method	GENSCAN
Start	310	End	3828
GI	none	Score	.69
Exons	310..547, 814..1016, 1056..1147, 3590..3828		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104966	Strand	-
Start	310	End	3828
Name	OJ990713_07.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	311	End	1724
GI	none	Score	289
Exons	311..547, 312..548, 415..549, 423..548, 783..839, 814..1152, 814..1149, 881..1153, 894..1154, 1611..1724, 1626..1718, 1627..1719		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104966	Strand	-
Start	310	End	3828
Name	OJ990713_07.0419.C39.o1.gp	Method	AAT/GAP
Start	787	End	1697
GI	2310965	Score	732
Exons	787..1147, 1627..1697		
GI Descrip.	4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104966	Strand	-
Start	310	End	3828
Name	OJ990713_07.0419.C39.o1.ts	Method	TBLASTX:Soybean
Start	814	End	1724
GI	none	Score	54
Exons	814..885, 814..1176, 830..889, 923..1150, 946..1152, 1611..1724, 1627..1722		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104967	Strand	
Start	4897	End	6178
Name	OJ990713_07.0419.C39.o3.tm	Method	TBLASTX:Maize
Start	4897	End	6178
GI	none	Score	152
Exons	4897..5007, 4905..5000, 5403..5486, 5405..5491, 5559..5726, 5559..5723, 5567..5728, 5567..5746, 6080..6178, 6097..6177		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104968	Strand	
Start	6591	End	7435
Name	OJ990713_07.0419.C39.o3.ts	Method	TBLASTX:Soybean
Start	6591	End	7435
GI	5606701	Score	79
Exons	6591..6665, 6883..7047, 6885..7040, 7214..7324, 7216..7350, 7348..7434, 7358..7435		
GI Descrip.	3834304 4.0e-41 (AC005679) Contains similarity to gi_1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb_AE000116, and to hypothetical YABO family PF_00849. [Arabidopsis thaliana]		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104968	Strand	
Start	6591	End	7435
Name	OJ990713_07.0419.C39.o4.tm	Method	TBLASTX:Maize
Start	6866	End	7344
GI	none	Score	182
Exons	6866..7051, 6883..7053, 6885..7052, 7211..7342, 7213..7344		

Seq. No.	49323	Seq. ID	OJ990713_07.0419.C39
Gene No.	104969	Strand	
Start	7373	End	7593
Name	OJ990713_07.0419.C39.o2.tm	Method	TBLASTX:Maize
Start	7373	End	7593
GI	none	Score	340
Exons	7373..7582, 7373..7591, 7377..7592, 7378..7590, 7378..7593		

Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104970	Strand	+
Start	14	End	240
Name	OJ990713_07.0419.C40.o1.gs	Method	GENSCAN
Start	14	End	240
GI	none	Score	.48
Exons	14..60, 93..240		

Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104971	Strand	-
Start	1224	End	6485
Name	OJ990713_07.0419.C40.o1.gp	Method	AAT/GAP
Start	898	End	1526
GI	19315_1.R1084	Score	1167
Exons	898..1526		
GI Descrip.	'4530509/gb|AAD22071.1| 2.0e-11 (AF124748) putative RNA-binding protein [Larix laricina]'		

Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104971	Strand	-
Start	1224	End	6485
Name	OJ990713_07.0419.C40.o1.tm	Method	TBLASTX:Maize
Start	948	End	4955
GI	none	Score	46
Exons	948..980, 949..1011, 1107..1148, 1116..1172, 1131..1220, 1224..1277, 1225..1311, 1226..1252, 1234..1299, 1241..1438, 1347..1433, 1348..1434, 1438..1518, 1474..1518, 1603..1710, 1606..1782, 1607..1780, 1635..1784, 1957..2058, 1958..2050, 2576..2695, 2580..2696, 2580..2705, 2581..2703, 2796..2834, 2797..2847, 2801..2836, 3459..3545, 3466..3543, 3468..3545, 3476..3547, 3791..3904, 3799..3954, 3980..4048, 3981..4046, 3984..4049, 3988..4047, 4131..4217, 4137..4217, 4869..4955, 4877..4954		

Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104971	Strand	-
Start	1224	End	6485
Name	OJ990713_07.0419.C40.o2.gs	Method	GENSCAN
Start	1224	End	6485
GI	none	Score	.87

Exons	1224..1517, 1606..1779, 1960..2051, 2576..2698, 3982..4043, 4138..4214, 4877..4979, 5257..5318, 6324..6485		
Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104971	Strand	-
Start	1224	End	6485
Name	OJ990713_07.0419.C40.o1.np	Method	AAT/NAP
Start	1230	End	6431
GI	6996560	Score	910
Exons	1230..1517, 1606..1779, 1960..2043, 2580..2698, 2802..2832, 3470..3545, 3800..3887, 3982..4043, 4138..4214, 4877..4979, 5257..5321, 6345..6431		
GI Descrip.	(AJ272011) oligouridylate binding protein [Nicotiana plumbaginifolia]		
Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104971	Strand	-
Start	1224	End	6485
Name	OJ990713_07.0419.C40.o1.ts	Method	TBLASTX:Soybean
Start	1359	End	5321
GI	none	Score	73
Exons	1359..1442, 1474..1518, 1603..1710, 1606..1791, 1607..1753, 1957..2067, 1958..2035, 2601..2705, 2656..2712, 2801..2839, 3468..3545, 3476..3547, 3799..3888, 3800..3904, 3980..4039, 3981..4046, 4137..4217, 4877..4978, 4878..4976, 5251..5319, 5256..5321		
Seq. No.	49324	Seq. ID	OJ990713_07.0419.C40
Gene No.	104971	Strand	-
Start	1224	End	6485
Name	OJ990713_07.0419.C40.o2.gp	Method	AAT/GAP
Start	1594	End	4223
GI	27087_1.R1084	Score	1201
Exons	1594..1779, 1960..2051, 2576..2698, 2802..2832, 3470..3545, 3800..3887, 3982..4043, 4138..4223		
GI Descrip.	'4587549/gb|AAD25780.1|AC006577_16 5.0e-72 (AC006577) Similar to gb_U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF_00076 RNA recognition motif domains. ESTs gb_T21032 and gb_T44127 come from this gene. [Arabidopsis t'		
Seq. No.	49325	Seq. ID	OJ990713_07.0419.C41
Gene No.	104972	Strand	-
Start	1274	End	1451
Name	OJ990713_07.0419.C41.o1.gs	Method	GENSCAN
Start	1274	End	1451
GI	none	Score	.87
Exons	1274..1451		
Seq. No.	49326	Seq. ID	OJ990713_07.0419.C42
Gene No.	104973	Strand	-
Start	1113	End	1623
Name	OJ990713_07.0419.C42.o1.np	Method	AAT/NAP
Start	667	End	1623
GI	7406465	Score	310
Exons	667..741, 1206..1623		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	49326	Seq. ID	OJ990713_07.0419.C42
Gene No.	104973	Strand	-
Start	1113	End	1623
Name	OJ990713_07.0419.C42.o1.gs	Method	GENSCAN
Start	1113	End	1578
GI	none	Score	.43
Exons	1113..1578		

Seq. No.	49327	Seq. ID	OJ990713_07.0419.C44
Gene No.	104974	Strand	-
Start	31	End	330
Name	OJ990713_07.0419.C44.o1.gp	Method	AAT/GAP
Start	31	End	330
GI	38689_1.R1084	Score	548
Exons	31..330		
GI Descrip.	'4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]'		

Seq. No.	49328	Seq. ID	OJ990713_07.0419.C47
Gene No.	104975	Strand	+
Start	192	End	743
Name	OJ990713_07.0419.C47.o1.gs	Method	GENSCAN
Start	192	End	743
GI	none	Score	.64
Exons	192..484, 632..743		

Seq. No.	49328	Seq. ID	OJ990713_07.0419.C47
Gene No.	104976	Strand	-
Start	1420	End	4459
Name	OJ990713_07.0419.C47.o2.gs	Method	GENSCAN
Start	1420	End	4384
GI	none	Score	.87
Exons	1420..1564, 1815..1854, 1902..2211, 3092..3161, 3419..3485, 3662..3783, 3990..4073, 4260..4384		

Seq. No.	49328	Seq. ID	OJ990713_07.0419.C47
Gene No.	104976	Strand	-
Start	1420	End	4459
Name	OJ990713_07.0419.C47.o1.np	Method	AAT/NAP
Start	3062	End	4459
GI	7487935	Score	374
Exons	3062..3161, 3670..3783, 3990..4073, 4260..4459		
GI Descrip.	L-ascorbate peroxidase homolog F10M6.50 - Arabidopsis thaliana gi|2864612|emb|CAA16959.1| (AL021811) L-ascorbate peroxidase - like protein [Arabidopsis thaliana] gi|4049334|emb|CAA22559.1| (AL034567) L-ascorbate peroxidase-like protein [Arabidopsis thaliana] gi|7270136|emb|CAB79949.1| (AL161581) L-ascorbate peroxidase-like protein [Arabidopsis thaliana]		

Seq. No.	49328	Seq. ID	OJ990713_07.0419.C47
Gene No.	104976	Strand	-
Start	1420	End	4459
Name	OJ990713_07.0419.C47.o1.gp	Method	AAT/GAP
Start	3986	End	4073
GI	LIB3432-042-P2-K1-E12	Score	118
Exons	3986..4073		

GI Descrip.	'2864612/emb|CAA16959| 4.0e-24 (AL021811) L-ascorbate peroxidase - like protein [Arabidopsis thaliana] >gi_4049334_emb_CAA22559.1_ (AL034567) L-ascorbate peroxidase-like protein [Arabidopsis thaliana]'		
Seq. No.	49329	Seq. ID	OJ990713_07.0419.C48
Gene No.	104977	Strand	+
Start	457	End	682
Name	OJ990713_07.0419.C48.o1.gs	Method	GENSCAN
Start	457	End	682
GI	none	Score	.57
Exons	457..682		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104978	Strand	+
Start	1148	End	6821
Name	OJ990713_07.0419.C49.o2.np	Method	AAT/NAP
Start	1148	End	6821
GI	2129478	Score	103
Exons	1148..1401, 3362..3659, 6795..6821		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104978	Strand	+
Start	1148	End	6821
Name	OJ990713_07.0419.C49.o3.gp	Method	AAT/GAP
Start	3534	End	3829
GI	5667407	Score	508
Exons	3534..3829		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104978	Strand	+
Start	1148	End	6821
Name	OJ990713_07.0419.C49.o2.gs	Method	GENSCAN
Start	3776	End	5270
GI	none	Score	.68
Exons	3776..3862, 3944..4003, 5051..5148, 5171..5270		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104978	Strand	+
Start	1148	End	6821
Name	OJ990713_07.0419.C49.o3.np	Method	AAT/NAP
Start	3776	End	6821
GI	6143904	Score	797
Exons	3776..3862, 3944..4003, 5066..5148, 5400..5559, 5732..5861, 6474..6632, 6746..6821		
GI Descrip.	(AC010718) putative DnaJ protein [Arabidopsis thaliana]		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104978	Strand	+
Start	1148	End	6821
Name	OJ990713_07.0419.C49.o4.gp	Method	AAT/GAP
Start	5504	End	6821
GI	16416_1.R1084	Score	716
Exons	5504..5559, 5732..5861, 6474..6632, 6746..6821		

GI Descrip.	'2230757/emb|CAA72705| 7.0e-70 (Y11969) dnaJ-like protein [Arabidopsis thaliana]'		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104979	Strand	-
Start	1	End	1393
Name	OJ990713_07.0419.C49.o1.gp	Method	AAT/GAP
Start	1	End	437
GI	75699_1.R1084	Score	619
Exons	1..179, 275..437		
GI Descrip.	'1781042/emb|CAA71402| 1.0e-30 (Y10373) chitinase [Medicago truncatula]'		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104979	Strand	-
Start	1	End	1393
Name	OJ990713_07.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	6850314	Score	784
Exons	1..179, 275..431, 1006..1393		
GI Descrip.	(AC009999) Contains similarity to a basic endochitinase from Arabidopis thaliana gb|AB023448, and contains a Chitinases class I PF|00182 domain. ESTs gb|AI995747, gb|AA728545, gb|Z26222, gb|Z25683, gb|T88386, gb|T1...		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104979	Strand	-
Start	1	End	1393
Name	OJ990713_07.0419.C49.o1.tc	Method	TBLASTX:Cress
Start	2	End	1276
GI	none	Score	96
Exons	2..115, 3..95, 6..125, 98..187, 99..140, 274..330, 275..331, 328..438, 340..426, 1004..1171, 1005..1148, 1166..1243, 1247..1276		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104979	Strand	-
Start	1	End	1393
Name	OJ990713_07.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	2	End	1282
GI	none	Score	158
Exons	2..187, 3..146, 89..181, 274..426, 275..331, 392..430, 1004..1087, 1004..1171, 1008..1157, 1166..1282, 1167..1247		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104979	Strand	-
Start	1	End	1393
Name	OJ990713_07.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1276
GI	none	Score	168
Exons	2..187, 3..179, 274..330, 284..331, 343..426, 348..401, 392..421, 1004..1171, 1005..1157, 1166..1243, 1188..1235, 1229..1276		
Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104979	Strand	-
Start	1	End	1393

Name	OJ990713_07.0419.C49.o2.gp	Method	AAT/GAP
Start	1058	End	1314
GI	none	Score	498
Exons	1058..1314		

Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104980	Strand	
Start	3775	End	6821
Name	OJ990713_07.0419.C49.o2.tc	Method	TBLASTX:Cress
Start	3775	End	6821
GI	none	Score	140
Exons	3775..3861, 3776..3874, 3941..4006, 3943..4005, 5057..5161, 5071..5148, 5401..5556, 5410..5535, 5735..5812, 5804..5857, 6499..6633, 6500..6634, 6506..6670, 6739..6819, 6744..6821		

Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104980	Strand	
Start	3775	End	6821
Name	OJ990713_07.0419.C49.o2.ts	Method	TBLASTX:Soybean
Start	3775	End	6821
GI	none	Score	133
Exons	3775..3858, 3776..3874, 3941..4006, 3943..4005, 5057..5161, 5071..5148, 5397..5429, 5401..5559, 5401..5556, 5412..5561, 5444..5560, 5712..5819, 5726..5866, 5759..5863, 6457..6633, 6464..6640, 6739..6819, 6744..6821		

Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104980	Strand	
Start	3775	End	6821
Name	OJ990713_07.0419.C49.o2.tw	Method	TBLASTX:Wheat
Start	3775	End	5140
GI	none	Score	133
Exons	3775..3867, 3776..3874, 3941..4003, 3943..4005, 5059..5139, 5063..5140		

Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104980	Strand	
Start	3775	End	6821
Name	OJ990713_07.0419.C49.o2.tm	Method	TBLASTX:Maize
Start	3775	End	6821
GI	none	Score	126
Exons	3775..3867, 3776..3862, 3793..3867, 3941..4003, 3943..4005, 3955..4005, 5059..5148, 5063..5161, 5400..5561, 5401..5562, 5404..5559, 5726..5866, 5730..5861, 6468..6569, 6469..6633, 6470..6640, 6470..6658, 6739..6819, 6744..6821, 6744..6821		

Seq. No.	49330	Seq. ID	OJ990713_07.0419.C49
Gene No.	104980	Strand	
Start	3775	End	6821
Name	OJ990713_07.0419.C49.o1.tw	Method	TBLASTX:Wheat
Start	6472	End	6786
GI	none	Score	98
Exons	6472..6633, 6472..6633, 6473..6640, 6733..6786, 6744..6785		

Seq. No.	49331	Seq. ID	OJ990713_07.0419.C50
Gene No.	104981	Strand	+
Start	2059	End	2224

Name	OJ990713_07.0419.C50.o1.gp	Method	AAT/GAP
Start	2059	End	2224
GI	7406_1.R1084	Score	227
Exons	2059..2224		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	49331	Seq. ID	OJ990713_07.0419.C50
Gene No.	104982	Strand	+
Start	2660	End	3424
Name	OJ990713_07.0419.C50.o1.np	Method	AAT/NAP
Start	2660	End	3424
GI	7228442	Score	1305
Exons	2660..3424		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	49331	Seq. ID	OJ990713_07.0419.C50
Gene No.	104982	Strand	+
Start	2660	End	3424
Name	OJ990713_07.0419.C50.o2.gs	Method	GENSCAN
Start	2660	End	3327
GI	none	Score	.9
Exons	2660..3327		

Seq. No.	49331	Seq. ID	OJ990713_07.0419.C50
Gene No.	104983	Strand	-
Start	1062	End	1546
Name	OJ990713_07.0419.C50.o1.gs	Method	GENSCAN
Start	1062	End	1546
GI	none	Score	.8
Exons	1062..1303, 1471..1546		

Seq. No.	49332	Seq. ID	OJ990603_08.0419.C2
Gene No.	104984	Strand	+
Start	242	End	382
Name	OJ990603_08.0419.C2.o1.gs	Method	GENSCAN
Start	242	End	382
GI	none	Score	.82
Exons	242..382		

Seq. No.	49333	Seq. ID	OJ990603_08.0419.C6
Gene No.	104985	Strand	-
Start	59	End	184
Name	OJ990603_08.0419.C6.o1.gs	Method	GENSCAN
Start	59	End	184
GI	none	Score	.86
Exons	59..184		

Seq. No.	49333	Seq. ID	OJ990603_08.0419.C6
Gene No.	104986	Strand	
Start	602	End	823
Name	OJ990603_08.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	602	End	823
GI	none	Score	188
Exons	602..823, 602..811		

Seq. No.	49334	Seq. ID	OJ990603_08.0419.C11
Gene No.	104987	Strand	+
Start	161	End	1685
Name	OJ990603_08.0419.C11.o1.gs	Method	GENSCAN
Start	161	End	1685
GI	none	Score	.91
Exons	161..183, 858..946, 1519..1685		

Seq. No.	49334	Seq. ID	OJ990603_08.0419.C11
Gene No.	104988	Strand	-
Start	1	End	1847
Name	OJ990603_08.0419.C11.o1.gp	Method	AAT/GAP
Start	1	End	1847
GI	13605_1.R1084	Score	649
Exons	1..102, 192..269, 350..450, 538..630, 1821..1847		
GI Descrip.	'3873647/emb|CAA94868.1| 2.0e-21 (Z71177) Similarity with 39.2kd yeast protein (Swiss Prot accession number P42836) [Caenorhabditis elegans]'		

Seq. No.	49334	Seq. ID	OJ990603_08.0419.C11
Gene No.	104988	Strand	-
Start	1	End	1847
Name	OJ990603_08.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	1847
GI	6478924	Score	370
Exons	1..175, 345..450, 538..630, 1821..1847		
GI Descrip.	(AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	49334	Seq. ID	OJ990603_08.0419.C11
Gene No.	104988	Strand	-
Start	1	End	1847
Name	OJ990603_08.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	4	End	633
GI	none	Score	85
Exons	4..99, 5..97, 190..222, 191..247, 219..263, 345..404, 362..430, 407..457, 409..450, 525..632, 526..633, 538..633		

Seq. No.	49334	Seq. ID	OJ990603_08.0419.C11
Gene No.	104988	Strand	-
Start	1	End	1847
Name	OJ990603_08.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	6	End	557
GI	none	Score	89
Exons	6..98, 7..102, 8..112, 187..267, 194..256, 216..266, 344..403, 349..420, 354..410, 407..442, 409..450, 411..452, 537..557		

Seq. No.	49334	Seq. ID	OJ990603_08.0419.C11
Gene No.	104988	Strand	-
Start	1	End	1847
Name	OJ990603_08.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	347	End	639
GI	none	Score	58
Exons	347..403, 412..450, 526..639, 536..604		

Seq. No.	49335	Seq. ID	OJ990603_08.0419.C13
Gene No.	104989	Strand	+

Start	438	End	1186
Name	OJ990603_08.0419.C13.o1.gs	Method	GENSCAN
Start	438	End	1186
GI	none	Score	.98
Exons	438..600, 628..1186		

Seq. No.	49335	Seq. ID	OJ990603_08.0419.C13
Gene No.	104989	Strand	+
Start	438	End	1186
Name	OJ990603_08.0419.C13.o1.np	Method	AAT/NAP
Start	598	End	836
GI	4056481	Score	93
Exons	598..836		
GI Descrip.	(AC005896) putative WRKY-type DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	49336	Seq. ID	OJ990603_08.0419.C17
Gene No.	104990	Strand	+
Start	475	End	803
Name	OJ990603_08.0419.C17.o1.gs	Method	GENSCAN
Start	475	End	803
GI	none	Score	.6
Exons	475..803		

Seq. No.	49336	Seq. ID	OJ990603_08.0419.C17
Gene No.	104991	Strand	-
Start	1774	End	1974
Name	OJ990603_08.0419.C17.o2.gs	Method	GENSCAN
Start	1774	End	1974
GI	none	Score	.98
Exons	1774..1974		

Seq. No.	49337	Seq. ID	OJ990603_08.0419.C24
Gene No.	104992	Strand	+
Start	1	End	1279
Name	OJ990603_08.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	488
GI	7506276	Score	39
Exons	1..147, 247..488		
GI Descrip.	hypothetical protein R04E5.8 - Caenorhabditis elegans gi|1109849|gb|AAC48181.1| (U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	49337	Seq. ID	OJ990603_08.0419.C24
Gene No.	104992	Strand	+
Start	1	End	1279
Name	OJ990603_08.0419.C24.o1.gs	Method	GENSCAN
Start	324	End	1279
GI	none	Score	.97
Exons	324..386, 499..703, 785..853, 1230..1279		

Seq. No.	49338	Seq. ID	OJ990603_08.0419.C28
Gene No.	104993	Strand	+
Start	123	End	404
Name	OJ990603_08.0419.C28.o1.gp	Method	AAT/GAP
Start	123	End	404
GI	none	Score	451

Exons	123..404		
Seq. No.	49339	Seq. ID	OJ990603_08.0419.C29
Gene No.	104994	Strand	-
Start	1	End	1458
Name	OJ990603_08.0419.C29.o1.gp	Method	AAT/GAP
Start	1	End	176
GI	2797152	Score	335
Exons	1..176		
Seq. No.	49339	Seq. ID	OJ990603_08.0419.C29
Gene No.	104994	Strand	-
Start	1	End	1458
Name	OJ990603_08.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	1458
GI	7230673	Score	242
Exons	1..365, 441..973, 1257..1458		
GI Descrip.	(AF236059) putative Myb-related domain [Papaver rhoeas]		
Seq. No.	49339	Seq. ID	OJ990603_08.0419.C29
Gene No.	104994	Strand	-
Start	1	End	1458
Name	OJ990603_08.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1387
GI	none	Score	115
Exons	3..74, 198..389, 238..396, 426..494, 912..962, 1225..1353, 1256..1291, 1256..1387, 1257..1385, 1295..1387		
Seq. No.	49339	Seq. ID	OJ990603_08.0419.C29
Gene No.	104994	Strand	-
Start	1	End	1458
Name	OJ990603_08.0419.C29.o2.gp	Method	AAT/GAP
Start	719	End	1424
GI	uC-osflcyp037e12b1	Score	671
Exons	719..973, 1257..1424		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		
Seq. No.	49339	Seq. ID	OJ990603_08.0419.C29
Gene No.	104994	Strand	-
Start	1	End	1458
Name	OJ990603_08.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	903	End	1403
GI	none	Score	58
Exons	903..962, 1228..1353, 1255..1350, 1256..1387, 1257..1403		
Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33
Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	180	End	1346
GI	none	Score	214
Exons	180..386, 203..394, 204..401, 461..796, 461..979, 517..963, 654..971, 1137..1271, 1137..1208, 1248..1346		
Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33

Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.np	Method	AAT/NAP
Start	190	End	1347
GI	7487874	Score	1229
Exons	190..976, 1146..1347		
GI Descrip.	hypothetical protein T9I4.16 - Arabidopsis thaliana gi|3461848|gb|AAC33234.1| (AC005315) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33
Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.tc	Method	TBLASTX:Cress
Start	198	End	977
GI	none	Score	95
Exons	198..368, 203..367, 461..616, 474..614, 653..976, 657..977		

Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33
Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	203	End	1245
GI	none	Score	255
Exons	203..394, 204..386, 205..411, 461..796, 461..979, 654..977, 851..979, 1134..1235, 1138..1245		

Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33
Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.gs	Method	GENSCAN
Start	206	End	1310
GI	none	Score	.52
Exons	206..360, 466..976, 1146..1310		

Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33
Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.gp	Method	AAT/GAP
Start	460	End	929
GI	uC-osflcyp065b11b1	Score	901
Exons	460..929		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		

Seq. No.	49340	Seq. ID	OJ990603_08.0419.C33
Gene No.	104995	Strand	-
Start	190	End	1347
Name	OJ990603_08.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	494	End	865
GI	none	Score	76
Exons	494..604, 495..605, 653..865, 720..863		

Seq. No.	49341	Seq. ID	OJ990603_08.0419.C43
Gene No.	104996	Strand	-
Start	531	End	677

Name	OJ990603_08.0419.C43.o1.gs	Method	GENSCAN
Start	531	End	677
GI	none	Score	.41
Exons	531..677		

Seq. No.	49342	Seq. ID	OJ990603_08.0419.C46
Gene No.	104997	Strand	+
Start	1	End	718
Name	OJ990603_08.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	718
GI	1621463	Score	759
Exons	1..469, 619..718		
GI Descrip.	(U73104) laccase [Liriodendron tulipifera]		

Seq. No.	49342	Seq. ID	OJ990603_08.0419.C46
Gene No.	104997	Strand	+
Start	1	End	718
Name	OJ990603_08.0419.C46.o1.ts	Method	TBLASTX:Soybean
Start	3	End	679
GI	none	Score	54
Exons	3..68, 4..69, 37..114, 94..468, 102..467, 620..679, 621..677		

Seq. No.	49342	Seq. ID	OJ990603_08.0419.C46
Gene No.	104997	Strand	+
Start	1	End	718
Name	OJ990603_08.0419.C46.o1.gs	Method	GENSCAN
Start	45	End	469
GI	none	Score	.94
Exons	45..469		

Seq. No.	49342	Seq. ID	OJ990603_08.0419.C46
Gene No.	104997	Strand	+
Start	1	End	718
Name	OJ990603_08.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	51	End	713
GI	none	Score	506
Exons	51..473, 55..471, 617..685, 618..686, 618..686, 693..713		

Seq. No.	49342	Seq. ID	OJ990603_08.0419.C46
Gene No.	104997	Strand	+
Start	1	End	718
Name	OJ990603_08.0419.C46.o1.tc	Method	TBLASTX:Cress
Start	109	End	713
GI	none	Score	273
Exons	109..315, 117..359, 309..398, 370..399, 587..679, 620..685, 621..713, 621..713		

Seq. No.	49343	Seq. ID	OJ990603_08.0419.C47
Gene No.	104998	Strand	-
Start	950	End	1185
Name	OJ990603_08.0419.C47.o2.gs	Method	GENSCAN
Start	950	End	1185
GI	none	Score	.99
Exons	950..1185		

Seq. No.	49343	Seq. ID	OJ990603_08.0419.C47
Gene No.	104998	Strand	-

Start	950	End	1185
Name	OJ990603_08.0419.C47.o1.np	Method	AAT/NAP
Start	959	End	1081
GI	4850407	Score	91
Exons	959..1081		
GI Descrip.	(AC007357) EST gb|T21221 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	49344	Seq. ID	OJ990603_08.0419.C56
Gene No.	104999	Strand	-
Start	39	End	822
Name	OJ990603_08.0419.C56.o1.gs	Method	GENSCAN
Start	39	End	822
GI	none	Score	.74
Exons	39..68, 115..822		

Seq. No.	49345	Seq. ID	OJ990723_03.0419.C1
Gene No.	105000	Strand	-
Start	574	End	611
Name	OJ990723_03.0419.C1.o1.gs	Method	GENSCAN
Start	574	End	611
GI	none	Score	.53
Exons	574..611		

Seq. No.	49346	Seq. ID	OJ990723_03.0419.C3
Gene No.	105001	Strand	+
Start	607	End	2790
Name	OJ990723_03.0419.C3.o1.gs	Method	GENSCAN
Start	607	End	2790
GI	none	Score	.81
Exons	607..615, 2638..2790		

Seq. No.	49347	Seq. ID	OJ990723_03.0419.C5
Gene No.	105002	Strand	+
Start	406	End	508
Name	OJ990723_03.0419.C5.o1.np	Method	AAT/NAP
Start	406	End	508
GI	7106528	Score	80
Exons	406..508		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49348	Seq. ID	OJ990723_03.0419.C6
Gene No.	105003	Strand	-
Start	6162	End	6655
Name	OJ990723_03.0419.C6.o2.gs	Method	GENSCAN
Start	6162	End	6655
GI	none	Score	.84
Exons	6162..6258, 6366..6502, 6647..6655		

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105004	Strand	+
Start	60	End	5342
Name	OJ990723_03.0419.C7.o1.gp	Method	AAT/GAP
Start	60	End	1951
GI	12131_1.R1084	Score	810
Exons	60..316, 813..864, 1680..1753, 1869..1951		

GI Descrip.	'2505868/emb|CAA72906| 2.0e-21 (Y12227) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105004	Strand	+
Start	60	End	5342
Name	OJ990723_03.0419.C7.o1.gs	Method	GENSCAN
Start	189	End	3644
GI	none	Score	.91
Exons	189..316, 1869..1958, 2469..2612, 3521..3644		

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105004	Strand	+
Start	60	End	5342
Name	OJ990723_03.0419.C7.o1.np	Method	AAT/NAP
Start	218	End	1551
GI	2505868	Score	75
Exons	218..316, 813..869, 1535..1551		
GI Descrip.	(Y12227) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105004	Strand	+
Start	60	End	5342
Name	OJ990723_03.0419.C7.o2.np	Method	AAT/NAP
Start	1361	End	5029
GI	2065019	Score	187
Exons	1361..1399, 1676..1753, 1869..1970, 2469..2612, 3521..3572, 4175..4247, 4920..5029		
GI Descrip.	(Y09823) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105004	Strand	+
Start	60	End	5342
Name	OJ990723_03.0419.C7.o2.gp	Method	AAT/GAP
Start	2465	End	5342
GI	2289_1.R1084	Score	998
Exons	2465..2612, 3521..3572, 4175..4247, 4920..5010, 5130..5342		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105005	Strand	-
Start	5806	End	11412
Name	OJ990723_03.0419.C7.o2.gs	Method	GENSCAN
Start	5806	End	11412
GI	none	Score	.52
Exons	5806..5900, 6257..6483, 9722..9766, 9816..9897, 10346..10563, 10581..10794, 10878..11412		

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105006	Strand	-
Start	11807	End	12051
Name	OJ990723_03.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	177	End	5145
GI	none	Score	156
Exons	177..323, 178..318, 219..317, 245..319, 805..867, 812..865, 814..864, 1674..1751, 1674..1751, 1678..1752, 1680..1751,		

1682..1753, 1682..1753, 1825..1965, 1867..1938, 1867..1926,
2458..2652, 2461..2619, 2503..2655, 3522..3572, 3522..3572,
3522..3575, 4160..4201, 4173..4193, 4195..4254, 4195..4245,
4200..4265, 4203..4256, 4917..4955, 4920..4955, 4953..5081,
4958..5080, 4960..5115, 5109..5141, 5110..5145

Seq. No.	49349	Seq. ID	OJ990723_03.0419.C7
Gene No.	105006	Strand	-
Start	11807	End	12051
Name	OJ990723_03.0419.C7.o3.gp	Method	AAT/GAP
Start	11807	End	12051
GI	LIB3432-012-P1-K1-B6	Score	479
Exons	11807..12051		
GI Descrip.	'2130082/pir||A57676 1.0e-13 protein kinase Xa21 (EC 2.7.1.-) - rice >gi_1122443 (U37133) receptor kinase-like protein [Oryza sativa] >gi_2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] >gi_1586408_prf__2203451A receptor kinase-like protein [Oryza sativa]'		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105007	Strand	-
Start	1	End	2756
Name	OJ990723_03.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	2756
GI	7434424	Score	1434
Exons	1..1894, 2330..2756		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105008	Strand	-
Start	3833	End	4080
Name	OJ990723_03.0419.C8.o2.gs	Method	GENSCAN
Start	3833	End	4080
GI	none	Score	.99
Exons	3833..3925, 4075..4080		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105009	Strand	-
Start	4885	End	6179
Name	OJ990723_03.0419.C8.o3.gs	Method	GENSCAN
Start	4885	End	6179
GI	none	Score	.46
Exons	4885..5065, 5850..6047, 6052..6179		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	10	End	341
GI	none	Score	140
Exons	10..336, 30..341		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447

Name	OJ990723_03.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	24	End	206
GI	none	Score	134
Exons	24..206, 25..201		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	36	End	313
GI	none	Score	125
Exons	36..233, 40..234, 281..313		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	540	End	2591
GI	none	Score	120
Exons	540..650, 549..932, 594..926, 594..926, 594..926, 597..926, 597..866, 600..941, 600..926, 600..932, 600..926, 600..869, 600..926, 603..926, 610..927, 733..927, 816..881, 930..1118, 936..1118, 955..1203, 1182..1304, 1290..1373, 1308..1367, 1419..1601, 1470..1601, 1473..1577, 1578..1685, 1605..1901, 1608..2273, 1611..1892, 1611..1907, 1611..1901, 1611..1892, 1617..1907, 1620..1907, 1623..1901, 1830..2270, 1899..2243, 1902..2273, 1905..2270, 1905..2225, 1905..2270, 1905..2273, 1905..2273, 1906..2082, 2035..2148, 2313..2525, 2325..2534, 2325..2540, 2325..2534, 2325..2534, 2325..2540, 2331..2525, 2331..2525, 2334..2525, 2394..2504, 2556..2591		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	594	End	2540
GI	none	Score	131
Exons	594..926, 594..863, 597..926, 597..926, 598..921, 600..941, 600..926, 600..926, 600..728, 810..881, 930..1289, 964..1197, 1272..1373, 1419..1520, 1544..1600, 1566..1814, 1584..1907, 1608..1901, 1608..1907, 1611..1907, 1611..1892, 1620..1907, 1623..1901, 1830..2270, 1902..2216, 1902..2105, 1905..2270, 1905..2270, 1905..2270, 1905..2177, 1906..2070, 2261..2302, 2313..2525, 2325..2540, 2325..2534, 2325..2534, 2331..2525, 2331..2525, 2343..2534		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	594	End	2537
GI	none	Score	80
Exons	594..926, 597..926, 600..797, 654..926, 754..924, 807..920, 936..1118, 954..1118, 1030..1206, 1105..1293, 1176..1298, 1176..1283, 1176..1280, 1179..1304, 1179..1301, 1467..1568, 1608..1892, 1611..2273, 1611..1874, 1621..1860, 1902..2144, 1902..2081, 1903..2004, 1905..2273, 1905..2015, 1905..2216,		

1906..2073, 1968..2294, 1978..2205, 2044..2274, 2325..2525, 2325..2447, 2331..2498, 2334..2537, 2334..2537

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	936	End	1844
GI	none	Score	140
Exons	936..1025, 1195..1380, 1197..1379, 1216..1380, 1380..1466, 1385..1474, 1387..1470, 1494..1685, 1752..1844		

Seq. No.	49350	Seq. ID	OJ990723_03.0419.C8
Gene No.	105010	Strand	-
Start	6297	End	6447
Name	OJ990723_03.0419.C8.o2.np	Method	AAT/NAP
Start	6297	End	6447
GI	7488318	Score	68
Exons	6297..6447		
GI Descrip.	RNA-directed DNA polymerase homolog F21E10.5 - Arabidopsis thaliana gi|3047086|gb|AAC13599.1| (AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	49351	Seq. ID	OJ990723_03.0419.C9
Gene No.	105011	Strand	-
Start	8509	End	8736
Name	OJ990723_03.0419.C9.o2.gs	Method	GENSCAN
Start	8509	End	8736
GI	none	Score	.86
Exons	8509..8736		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	2050
GI	6815097	Score	1662
Exons	1..1198, 1339..2050		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o1.gs	Method	GENSCAN
Start	321	End	1067
GI	none	Score	.45
Exons	321..918, 952..1067		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	726	End	1171
GI	5509260	Score	145
Exons	726..911, 729..932, 978..1064, 1091..1171, 1092..1163		

GI Descrip. -

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	781	End	1157
GI	none	Score	59
Exons	781..897, 807..1058, 813..932, 977..1060, 1092..1157		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o3.tm	Method	TBLASTX:Maize
Start	819	End	1229
GI	none	Score	141
Exons	819..1052, 1092..1229		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	1542	End	1904
GI	none	Score	188
Exons	1542..1904		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	1560	End	1883
GI	none	Score	346
Exons	1560..1883, 1571..1882, 1728..1883		

Seq. No.	49352	Seq. ID	OJ990723_03.0419.C10
Gene No.	105012	Strand	+
Start	1	End	2271
Name	OJ990723_03.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	1904	End	2271
GI	none	Score	54
Exons	1904..1945, 1914..1946, 2002..2229, 2005..2202, 2006..2203, 2010..2228, 2236..2271		

Seq. No.	49353	Seq. ID	OJ990723_03.0419.C11
Gene No.	105013	Strand	+
Start	697	End	831
Name	OJ990723_03.0419.C11.o1.gs	Method	GENSCAN
Start	697	End	831
GI	none	Score	.92
Exons	697..831		

Seq. No.	49353	Seq. ID	OJ990723_03.0419.C11
Gene No.	105014	Strand	-
Start	2433	End	2706
Name	OJ990723_03.0419.C11.o2.gs	Method	GENSCAN
Start	2433	End	2706
GI	none	Score	.54

Exons	2433..2576, 2635..2706		
Seq. No.	49354	Seq. ID	OJ990723_03.0419.C12
Gene No.	105015	Strand	-
Start	238	End	2518
Name	OJ990723_03.0419.C12.o1.gs	Method	GENSCAN
Start	238	End	2518
GI	none	Score	.68
Exons	238..567, 758..874, 958..1276, 1321..1628, 1640..1866, 2062..2518		
Seq. No.	49355	Seq. ID	OJ990723_03.0419.C13
Gene No.	105016	Strand	+
Start	841	End	1571
Name	OJ990723_03.0419.C13.o1.gs	Method	GENSCAN
Start	841	End	1571
GI	none	Score	.55
Exons	841..1272, 1436..1571		
Seq. No.	49356	Seq. ID	OJ990723_03.0419.C14
Gene No.	105017	Strand	+
Start	529	End	603
Name	OJ990723_03.0419.C14.o1.gs	Method	GENSCAN
Start	529	End	603
GI	none	Score	.76
Exons	529..603		
Seq. No.	49356	Seq. ID	OJ990723_03.0419.C14
Gene No.	105018	Strand	-
Start	1	End	3648
Name	OJ990723_03.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	3648
GI	6721547	Score	99
Exons	1..42, 3564..3648		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	49356	Seq. ID	OJ990723_03.0419.C14
Gene No.	105018	Strand	-
Start	1	End	3648
Name	OJ990723_03.0419.C14.o2.gs	Method	GENSCAN
Start	1635	End	3648
GI	none	Score	.49
Exons	1635..1681, 3564..3648		
Seq. No.	49357	Seq. ID	OJ990723_03.0419.C16
Gene No.	105019	Strand	-
Start	1020	End	1087
Name	OJ990723_03.0419.C16.o1.gs	Method	GENSCAN
Start	1020	End	1087
GI	none	Score	.62
Exons	1020..1087		
Seq. No.	49358	Seq. ID	OJ990723_03.0419.C17
Gene No.	105020	Strand	+
Start	387	End	3220
Name	OJ990723_03.0419.C17.o1.gs	Method	GENSCAN
Start	387	End	3220

GI	none	Score	.59
Exons	387..459, 2655..2683, 3036..3220		

Seq. No.	49359	Seq. ID	OJ990723_03.0419.C18
Gene No.	105021	Strand	+
Start	514	End	1869
Name	OJ990723_03.0419.C18.o1.gp	Method	AAT/GAP
Start	479	End	911
GI	LIB3475-007-P1-K1-G8	Score	641
Exons	479..584, 661..911		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49359	Seq. ID	OJ990723_03.0419.C18
Gene No.	105021	Strand	+
Start	514	End	1869
Name	OJ990723_03.0419.C18.o1.np	Method	AAT/NAP
Start	479	End	1869
GI	5441880	Score	1221
Exons	479..584, 661..919, 1164..1237, 1274..1297, 1388..1519, 1635..1869		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	49359	Seq. ID	OJ990723_03.0419.C18
Gene No.	105021	Strand	+
Start	514	End	1869
Name	OJ990723_03.0419.C18.o1.gs	Method	GENSCAN
Start	514	End	1837
GI	none	Score	.67
Exons	514..584, 661..919, 1012..1194, 1260..1297, 1388..1519, 1583..1630, 1635..1837		

Seq. No.	49360	Seq. ID	OJ990723_03.0419.C20
Gene No.	105022	Strand	-
Start	1	End	894
Name	OJ990723_03.0419.C20.o1.np	Method	AAT/NAP
Start	1	End	894
GI	6815097	Score	799
Exons	1..182, 297..894		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	49360	Seq. ID	OJ990723_03.0419.C20
Gene No.	105022	Strand	-
Start	1	End	894
Name	OJ990723_03.0419.C20.o1.gs	Method	GENSCAN
Start	90	End	821
GI	none	Score	.64
Exons	90..198, 301..821		

Seq. No.	49361	Seq. ID	OJ990723_03.0419.C21
Gene No.	105023	Strand	+
Start	1260	End	2938
Name	OJ990723_03.0419.C21.o1.np	Method	AAT/NAP

Start	1260	End	2938
GI	2213586	Score	383
Exons	1260..1326, 2504..2938		
GI Descrip.	(AC000348) T7N9.6 [Arabidopsis thaliana]		

Seq. No.	49361	Seq. ID	OJ990723_03.0419.C21
Gene No.	105024	Strand	-
Start	434	End	2938
Name	OJ990723_03.0419.C21.o1.gs	Method	GENSCAN
Start	434	End	2931
GI	none	Score	.71
Exons	434..445, 1335..1403, 2007..2107, 2129..2359, 2748..2931		

Seq. No.	49361	Seq. ID	OJ990723_03.0419.C21
Gene No.	105024	Strand	-
Start	434	End	2938
Name	OJ990723_03.0419.C21.o1.gp	Method	AAT/GAP
Start	632	End	1039
GI	LIB3477-003-P1-K1-E9	Score	147
Exons	632..674, 952..1039		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49361	Seq. ID	OJ990723_03.0419.C21
Gene No.	105024	Strand	-
Start	434	End	2938
Name	OJ990723_03.0419.C21.o1.tc	Method	TBLASTX:Cress
Start	2573	End	2938
GI	none	Score	89
Exons	2573..2644, 2583..2639, 2660..2827, 2661..2828, 2831..2938, 2833..2937		

Seq. No.	49361	Seq. ID	OJ990723_03.0419.C21
Gene No.	105024	Strand	-
Start	434	End	2938
Name	OJ990723_03.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	2660	End	2938
GI	none	Score	178
Exons	2660..2827, 2661..2828, 2688..2828, 2830..2937, 2831..2938		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105025	Strand	+
Start	1	End	390
Name	OJ990723_03.0419.C22.o1.gs	Method	GENSCAN
Start	1	End	390
GI	none	Score	.99
Exons	1..390		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105025	Strand	+
Start	1	End	390
Name	OJ990723_03.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	384
GI	6358808	Score	479
Exons	1..384		
GI Descrip.	(AC010675) nitrate transporter (NTL1) [Arabidopsis thaliana]		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105026	Strand	+
Start	2050	End	2334
Name	OJ990723_03.0419.C22.o2.np	Method	AAT/NAP
Start	2050	End	2334
GI	7523517	Score	207
Exons	2050..2334		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105027	Strand	-
Start	1	End	669
Name	OJ990723_03.0419.C22.o1.gp	Method	AAT/GAP
Start	1	End	669
GI	4715500	Score	1073
Exons	1..21, 80..669		
GI Descrip.	3377517/gb|AAC28086.1| 2.0e-25 (AF073361) nitrate transporter NTL1 [Arabidopsis thaliana]		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105027	Strand	-
Start	1	End	669
Name	OJ990723_03.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	1	End	383
GI	none	Score	420
Exons	1..375, 3..383		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105027	Strand	-
Start	1	End	669
Name	OJ990723_03.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	3	End	186
GI	none	Score	222
Exons	3..185, 7..186		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105027	Strand	-
Start	1	End	669
Name	OJ990723_03.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	37	End	366
GI	none	Score	152
Exons	37..252, 259..366		

Seq. No.	49362	Seq. ID	OJ990723_03.0419.C22
Gene No.	105027	Strand	-
Start	1	End	669
Name	OJ990723_03.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	76	End	380
GI	none	Score	363
Exons	76..375, 78..380		

Seq. No.	49363	Seq. ID	OJ990723_03.0419.C23
Gene No.	105028	Strand	+
Start	1422	End	1963
Name	OJ990723_03.0419.C23.o1.gs	Method	GENSCAN
Start	1422	End	1963

GI	none	Score	.73
Exons	1422..1515, 1789..1963		
Seq. No.	49363	Seq. ID	OJ990723_03.0419.C23
Gene No.	105029	Strand	+
Start	2873	End	4527
Name	OJ990723_03.0419.C23.o2.gs	Method	GENSCAN
Start	2873	End	4527
GI	none	Score	.67
Exons	2873..3086, 3457..3644, 4358..4527		
Seq. No.	49364	Seq. ID	OJ990723_03.0419.C25
Gene No.	105030	Strand	+
Start	55	End	1081
Name	OJ990723_03.0419.C25.o1.gs	Method	GENSCAN
Start	55	End	1081
GI	none	Score	.75
Exons	55..202, 895..916, 933..1081		
Seq. No.	49364	Seq. ID	OJ990723_03.0419.C25
Gene No.	105031	Strand	-
Start	178	End	3496
Name	OJ990723_03.0419.C25.o1.np	Method	AAT/NAP
Start	178	End	3496
GI	6358808	Score	225
Exons	178..252, 2606..2823, 3439..3496		
GI Descrip.	(AC010675) nitrate transporter (NTL1) [Arabidopsis thaliana]		
Seq. No.	49364	Seq. ID	OJ990723_03.0419.C25
Gene No.	105031	Strand	-
Start	178	End	3496
Name	OJ990723_03.0419.C25.o2.gs	Method	GENSCAN
Start	2516	End	2823
GI	none	Score	.9
Exons	2516..2539, 2606..2823		
Seq. No.	49364	Seq. ID	OJ990723_03.0419.C25
Gene No.	105031	Strand	-
Start	178	End	3496
Name	OJ990723_03.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	2606	End	2819
GI	none	Score	105
Exons	2606..2818, 2712..2819		
Seq. No.	49365	Seq. ID	OJ990723_03.0419.C28
Gene No.	105032	Strand	+
Start	531	End	600
Name	OJ990723_03.0419.C28.o1.gs	Method	GENSCAN
Start	531	End	600
GI	none	Score	.93
Exons	531..600		
Seq. No.	49365	Seq. ID	OJ990723_03.0419.C28
Gene No.	105033	Strand	-
Start	1	End	2183
Name	OJ990723_03.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	2183

GI	7340884	Score	118
Exons	1..20, 2042..2183		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	49365	Seq. ID	OJ990723_03.0419.C28
Gene No.	105033	Strand	-
Start	1	End	2183
Name	OJ990723_03.0419.C28.o1.gp	Method	AAT/GAP
Start	111	End	516
GI	7406_1.R1084	Score	694
Exons	111..516		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	49365	Seq. ID	OJ990723_03.0419.C28
Gene No.	105033	Strand	-
Start	1	End	2183
Name	OJ990723_03.0419.C28.o2.gs	Method	GENSCAN
Start	1329	End	1754
GI	none	Score	.49
Exons	1329..1377, 1729..1754		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105034	Strand	+
Start	1	End	1367
Name	OJ990723_03.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	1364
GI	5902445	Score	1705
Exons	1..1364		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105034	Strand	+
Start	1	End	1367
Name	OJ990723_03.0419.C29.o1.gs	Method	GENSCAN
Start	534	End	1367
GI	none	Score	.97
Exons	534..1367		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105035	Strand	-
Start	1681	End	4310
Name	OJ990723_03.0419.C29.o2.tw	Method	TBLASTX:Wheat
Start	377	End	734
GI	none	Score	381
Exons	377..733, 378..734		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105035	Strand	-
Start	1681	End	4310
Name	OJ990723_03.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	389	End	772
GI	none	Score	206
Exons	389..646, 396..662, 629..772, 657..770		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29

Gene No.	105035	Strand	-
Start	1681	End	4310
Name	OJ990723_03.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1355
GI	none	Score	268
Exons	741..1019, 761..850, 896..1003, 1074..1232, 1218..1355		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105035	Strand	-
Start	1681	End	4310
Name	OJ990723_03.0419.C29.o2.tm	Method	TBLASTX:Maize
Start	1083	End	1318
GI	none	Score	152
Exons	1083..1235, 1214..1318, 1215..1316		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105035	Strand	-
Start	1681	End	4310
Name	OJ990723_03.0419.C29.o2.gs	Method	GENSCAN
Start	1681	End	4233
GI	none	Score	.74
Exons	1681..2129, 2202..2306, 2379..2568, 2644..2828, 2903..3091, 3343..3499, 3718..4233		

Seq. No.	49366	Seq. ID	OJ990723_03.0419.C29
Gene No.	105035	Strand	-
Start	1681	End	4310
Name	OJ990723_03.0419.C29.o2.np	Method	AAT/NAP
Start	1684	End	4310
GI	6691716	Score	1936
Exons	1684..2129, 2202..2306, 2457..2568, 2644..2819, 2903..3072, 3149..3261, 3343..3534, 3732..4310		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105036	Strand	+
Start	1	End	3424
Name	OJ990723_03.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	3103
GI	7248394	Score	1092
Exons	1..21, 636..1700, 3079..3103		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105036	Strand	+
Start	1	End	3424
Name	OJ990723_03.0419.C30.o2.gs	Method	GENSCAN
Start	996	End	3281
GI	none	Score	.53
Exons	996..1171, 1326..1359, 1807..2545, 2641..3281		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105036	Strand	+
Start	1	End	3424
Name	OJ990723_03.0419.C30.o2.np	Method	AAT/NAP
Start	2207	End	3424
GI	629693	Score	448
Exons	2207..2305, 2392..3424		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105037	Strand	+
Start	8994	End	12922
Name	OJ990723_03.0419.C30.o3.np	Method	AAT/NAP
Start	8828	End	9566
GI	7248393	Score	336
Exons	8828..9213, 9277..9566		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105037	Strand	+
Start	8994	End	12922
Name	OJ990723_03.0419.C30.o4.gs	Method	GENSCAN
Start	8994	End	12333
GI	none	Score	.5
Exons	8994..9346, 9517..9599, 9705..10034, 10093..11685, 11956..12333		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105037	Strand	+
Start	8994	End	12922
Name	OJ990723_03.0419.C30.o4.np	Method	AAT/NAP
Start	12000	End	12922
GI	7248394	Score	682
Exons	12000..12922		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o1.tw	Method	TBLASTX:Wheat
Start	602	End	926
GI	none	Score	406
Exons	602..883, 603..926, 606..926		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o2.tm	Method	TBLASTX:Maize
Start	602	End	794
GI	none	Score	87
Exons	602..778, 602..793, 603..794		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30

Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	795	End	1253
GI	none	Score	527
Exons	795..1253, 795..1076, 947..1252		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o2.tw	Method	TBLASTX:Wheat
Start	927	End	1325
GI	none	Score	187
Exons	927..1247, 1001..1207, 1242..1325		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	978	End	1412
GI	none	Score	206
Exons	978..1223, 980..1072, 1224..1412, 1268..1375		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o2.ts	Method	TBLASTX:Soybean
Start	1561	End	1971
GI	none	Score	152
Exons	1561..1713, 1562..1699, 1720..1806, 1721..1804, 1819..1971		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o3.tm	Method	TBLASTX:Maize
Start	2260	End	2592
GI	none	Score	215
Exons	2260..2592		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o3.ts	Method	TBLASTX:Soybean
Start	2341	End	2622
GI	none	Score	226
Exons	2341..2622		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30
Gene No.	105038	Strand	-
Start	3815	End	7784
Name	OJ990723_03.0419.C30.o3.gs	Method	GENSCAN
Start	3815	End	7784
GI	none	Score	.71
Exons	3815..4465, 4575..4688, 4951..5304, 5384..6003, 6099..6479, 6714..6855, 6955..7007, 7733..7784		

Seq. No.	49367	Seq. ID	OJ990723_03.0419.C30

Gene No.	105039	Strand	
Start	12144	End	12482
Name	OJ990723_03.0419.C30.o4.ts	Method	TBLASTX:Soybean
Start	12144	End	12482
GI	none	Score	200
Exons	12144..12482		

Seq. No.	49368	Seq. ID	OJ990723_03.0419.C31
Gene No.	105040	Strand	+
Start	117	End	2017
Name	OJ990723_03.0419.C31.o1.np	Method	AAT/NAP
Start	117	End	2017
GI	6907087	Score	947
Exons	117..340, 502..691, 732..1376, 1916..2017		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49368	Seq. ID	OJ990723_03.0419.C31
Gene No.	105041	Strand	+
Start	2485	End	2870
Name	OJ990723_03.0419.C31.o1.gp	Method	AAT/GAP
Start	2485	End	2870
GI	uC-osf1cyp033a04b1	Score	665
Exons	2485..2870		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49368	Seq. ID	OJ990723_03.0419.C31
Gene No.	105042	Strand	-
Start	557	End	1687
Name	OJ990723_03.0419.C31.o1.gs	Method	GENSCAN
Start	557	End	1687
GI	none	Score	.76
Exons	557..1485, 1645..1687		

Seq. No.	49368	Seq. ID	OJ990723_03.0419.C31
Gene No.	105043	Strand	-
Start	1889	End	3359
Name	OJ990723_03.0419.C31.o2.gs	Method	GENSCAN
Start	1889	End	2525
GI	none	Score	.94
Exons	1889..2016, 2465..2525		

Seq. No.	49368	Seq. ID	OJ990723_03.0419.C31
Gene No.	105043	Strand	-
Start	1889	End	3359
Name	OJ990723_03.0419.C31.o2.np	Method	AAT/NAP
Start	2414	End	3359
GI	4680186	Score	203
Exons	2414..2618, 3313..3359		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49369	Seq. ID	OJ990723_03.0419.C32
Gene No.	105044	Strand	+
Start	403	End	1227
Name	OJ990723_03.0419.C32.o1.gs	Method	GENSCAN

Start	403	End	1227
GI	none	Score	.5
Exons	403..522, 1006..1160, 1206..1227		

Seq. No.	49369	Seq. ID	OJ990723_03.0419.C32
Gene No.	105045	Strand	-
Start	1	End	1121
Name	OJ990723_03.0419.C32.o1.np	Method	AAT/NAP
Start	1	End	1121
GI	7340868	Score	50
Exons	1..64, 993..1121		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49370	Seq. ID	OJ990603_03.0419.C4
Gene No.	105046	Strand	+
Start	105	End	298
Name	OJ990603_03.0419.C4.o1.gs	Method	GENSCAN
Start	105	End	298
GI	none	Score	.46
Exons	105..298		

Seq. No.	49371	Seq. ID	OJ990603_03.0419.C6
Gene No.	105047	Strand	+
Start	112	End	509
Name	OJ990603_03.0419.C6.o1.gs	Method	GENSCAN
Start	112	End	509
GI	none	Score	.75
Exons	112..264, 325..509		

Seq. No.	49371	Seq. ID	OJ990603_03.0419.C6
Gene No.	105048	Strand	-
Start	28	End	888
Name	OJ990603_03.0419.C6.o1.np	Method	AAT/NAP
Start	28	End	888
GI	6069646	Score	452
Exons	28..888		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49371	Seq. ID	OJ990603_03.0419.C6
Gene No.	105048	Strand	-
Start	28	End	888
Name	OJ990603_03.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	56	End	629
GI	none	Score	107
Exons	56..241, 278..493, 290..493, 303..494, 348..494, 506..616, 507..629		

Seq. No.	49371	Seq. ID	OJ990603_03.0419.C6
Gene No.	105048	Strand	-
Start	28	End	888
Name	OJ990603_03.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	302	End	494
GI	none	Score	99

Exons	302..490, 303..494, 339..494		
Seq. No.	49372	Seq. ID	OJ990603_03.0419.C7
Gene No.	105049	Strand	+
Start	205	End	1094
Name	OJ990603_03.0419.C7.o1.gs	Method	GENSCAN
Start	205	End	1094
GI	none	Score	.63
Exons	205..259, 1015..1094		
Seq. No.	49373	Seq. ID	OJ990603_03.0419.C11
Gene No.	105050	Strand	-
Start	797	End	857
Name	OJ990603_03.0419.C11.o1.gs	Method	GENSCAN
Start	797	End	857
GI	none	Score	.68
Exons	797..857		
Seq. No.	49374	Seq. ID	OJ990603_03.0419.C14
Gene No.	105051	Strand	-
Start	561	End	680
Name	OJ990603_03.0419.C14.o1.gs	Method	GENSCAN
Start	561	End	680
GI	none	Score	.81
Exons	561..680		
Seq. No.	49375	Seq. ID	OJ990603_03.0419.C15
Gene No.	105052	Strand	+
Start	1	End	938
Name	OJ990603_03.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	886
GI	1786142	Score	135
Exons	1..61, 270..602, 652..886		
GI Descrip.	(AB000455) PEThy;ZPT4-1 [Petunia x hybrida]		
Seq. No.	49375	Seq. ID	OJ990603_03.0419.C15
Gene No.	105052	Strand	+
Start	1	End	938
Name	OJ990603_03.0419.C15.o1.gs	Method	GENSCAN
Start	141	End	938
GI	none	Score	.78
Exons	141..938		
Seq. No.	49375	Seq. ID	OJ990603_03.0419.C15
Gene No.	105053	Strand	-
Start	2358	End	2428
Name	OJ990603_03.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	293	End	434
GI	none	Score	192
Exons	293..433, 294..434		
Seq. No.	49375	Seq. ID	OJ990603_03.0419.C15
Gene No.	105053	Strand	-
Start	2358	End	2428
Name	OJ990603_03.0419.C15.o2.gs	Method	GENSCAN
Start	2358	End	2428
GI	none	Score	.75

Exons	2358..2428		
Seq. No.	49376	Seq. ID	OJ990603_03.0419.C21
Gene No.	105054	Strand	+
Start	484	End	1115
Name	OJ990603_03.0419.C21.o1.gs	Method	GENSCAN
Start	484	End	1115
GI	none	Score	.77
Exons	484..541, 669..812, 829..1115		
Seq. No.	49377	Seq. ID	OJ990603_03.0419.C23
Gene No.	105055	Strand	+
Start	448	End	987
Name	OJ990603_03.0419.C23.o1.gs	Method	GENSCAN
Start	448	End	987
GI	none	Score	.9
Exons	448..610, 879..987		
Seq. No.	49378	Seq. ID	OJ990603_03.0419.C25
Gene No.	105056	Strand	+
Start	343	End	579
Name	OJ990603_03.0419.C25.o1.gs	Method	GENSCAN
Start	343	End	579
GI	none	Score	.96
Exons	343..579		
Seq. No.	49379	Seq. ID	OJ990603_03.0419.C27
Gene No.	105057	Strand	+
Start	160	End	291
Name	OJ990603_03.0419.C27.o1.gs	Method	GENSCAN
Start	160	End	291
GI	none	Score	.82
Exons	160..291		
Seq. No.	49380	Seq. ID	OJ990603_03.0419.C28
Gene No.	105058	Strand	+
Start	112	End	301
Name	OJ990603_03.0419.C28.o1.gs	Method	GENSCAN
Start	112	End	301
GI	none	Score	.87
Exons	112..189, 290..301		
Seq. No.	49381	Seq. ID	OJ990603_03.0419.C30
Gene No.	105059	Strand	-
Start	591	End	1430
Name	OJ990603_03.0419.C30.o1.gs	Method	GENSCAN
Start	591	End	1361
GI	none	Score	.67
Exons	591..1361		
Seq. No.	49381	Seq. ID	OJ990603_03.0419.C30
Gene No.	105059	Strand	-
Start	591	End	1430
Name	OJ990603_03.0419.C30.o1.np	Method	AAT/NAP
Start	594	End	1430
GI	7228457	Score	1393
Exons	594..1430		

GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	49381	Seq. ID	OJ990603_03.0419.C30
Gene No.	105059	Strand	-
Start	591	End	1430
Name	OJ990603_03.0419.C30.o1.tw	Method	TBLASTX:Wheat
Start	1005	End	1370
GI	none	Score	92
Exons	1005..1271, 1011..1370, 1240..1368		
Seq. No.	49382	Seq. ID	OJ990603_03.0419.C32
Gene No.	105060	Strand	+
Start	861	End	981
Name	OJ990603_03.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	735	End	915
GI	none	Score	208
Exons	735..914, 736..915		
Seq. No.	49382	Seq. ID	OJ990603_03.0419.C32
Gene No.	105060	Strand	+
Start	861	End	981
Name	OJ990603_03.0419.C32.o1.np	Method	AAT/NAP
Start	861	End	981
GI	7485509	Score	109
Exons	861..981		
GI Descrip.	hypothetical protein F15B8.40 - Arabidopsis thaliana gi|4678270|emb|CAB41178.1| (AL049660) protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	49383	Seq. ID	OJ990603_03.0419.C33
Gene No.	105061	Strand	+
Start	1	End	576
Name	OJ990603_03.0419.C33.o1.np	Method	AAT/NAP
Start	1	End	570
GI	4895241	Score	197
Exons	1..85, 284..570		
GI Descrip.	(AC007659) putative beta-expansin [Arabidopsis thaliana]		
Seq. No.	49383	Seq. ID	OJ990603_03.0419.C33
Gene No.	105061	Strand	+
Start	1	End	576
Name	OJ990603_03.0419.C33.o1.gs	Method	GENSCAN
Start	322	End	576
GI	none	Score	.94
Exons	322..576		
Seq. No.	49383	Seq. ID	OJ990603_03.0419.C33
Gene No.	105062	Strand	-
Start	498	End	1007
Name	OJ990603_03.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	304	End	784
GI	none	Score	130
Exons	304..390, 390..434, 391..438, 438..551, 438..569, 439..570, 454..573, 676..711, 677..712, 677..712, 678..713, 752..784		

Seq. No.	49383	Seq. ID	OJ990603_03.0419.C33
Gene No.	105062	Strand	-
Start	498	End	1007
Name	OJ990603_03.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	304	End	576
GI	none	Score	76
Exons	304..390, 391..441, 391..447,	430..576, 453..563	

Seq. No.	49383	Seq. ID	OJ990603_03.0419.C33
Gene No.	105062	Strand	-
Start	498	End	1007
Name	OJ990603_03.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	304	End	573
GI	none	Score	83
Exons	304..381, 391..444, 481..573		

Seq. No.	49383	Seq. ID	OJ990603_03.0419.C33
Gene No.	105062	Strand	-
Start	498	End	1007
Name	OJ990603_03.0419.C33.o1.gp	Method	AAT/GAP
Start	498	End	1007
GI	36084_1.R1084	Score	960
Exons	498..1007		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	49384	Seq. ID	OJ990603_03.0419.C38
Gene No.	105063	Strand	+
Start	207	End	671
Name	OJ990603_03.0419.C38.o1.gs	Method	GENSCAN
Start	207	End	671
GI	none	Score	.79
Exons	207..468, 530..671		

Seq. No.	49385	Seq. ID	OJ990603_03.0419.C43
Gene No.	105064	Strand	+
Start	242	End	350
Name	OJ990603_03.0419.C43.o1.gs	Method	GENSCAN
Start	242	End	350
GI	none	Score	.83
Exons	242..350		

Seq. No.	49386	Seq. ID	OJ990603_03.0419.C44
Gene No.	105065	Strand	+
Start	42	End	482
Name	OJ990603_03.0419.C44.o1.gs	Method	GENSCAN
Start	42	End	482
GI	none	Score	.99
Exons	42..482		

Seq. No.	49386	Seq. ID	OJ990603_03.0419.C44
Gene No.	105065	Strand	+
Start	42	End	482
Name	OJ990603_03.0419.C44.o1.np	Method	AAT/NAP
Start	134	End	473
GI	1076486	Score	286
Exons	134..473		

GI Descrip. cim1 protein - soybean gi|555616 (U03860) cytokinin induced message [Glycine max]

Seq. No.	49386	Seq. ID	OJ990603_03.0419.C44
Gene No.	105066	Strand	-
Start	1006	End	1295
Name	OJ990603_03.0419.C44.o1.tm	Method	TBLASTX:Maize
Start	122	End	467
GI	none	Score	59
Exons	122..190, 132..263, 132..242,	291..467, 293..466, 330..467	

Seq. No.	49386	Seq. ID	OJ990603_03.0419.C44
Gene No.	105066	Strand	-
Start	1006	End	1295
Name	OJ990603_03.0419.C44.o1.ts	Method	TBLASTX:Soybean
Start	132	End	467
GI	none	Score	135
Exons	132..263, 287..466, 291..341,	378..467	

Seq. No.	49386	Seq. ID	OJ990603_03.0419.C44
Gene No.	105066	Strand	-
Start	1006	End	1295
Name	OJ990603_03.0419.C44.o1.tw	Method	TBLASTX:Wheat
Start	132	End	481
GI	none	Score	117
Exons	132..263, 132..239, 291..338,	351..479, 359..481	

Seq. No.	49386	Seq. ID	OJ990603_03.0419.C44
Gene No.	105066	Strand	-
Start	1006	End	1295
Name	OJ990603_03.0419.C44.o2.gs	Method	GENSCAN
Start	1006	End	1295
GI	none	Score	.41
Exons	1006..1295		

Seq. No.	49387	Seq. ID	OJ990603_03.0419.C45
Gene No.	105067	Strand	+
Start	201	End	1921
Name	OJ990603_03.0419.C45.o1.gs	Method	GENSCAN
Start	201	End	1921
GI	none	Score	.68
Exons	201..354, 1086..1229, 1788..1921		

Seq. No.	49388	Seq. ID	OJ990603_03.0419.C47
Gene No.	105068	Strand	+
Start	10	End	1051
Name	OJ990603_03.0419.C47.o1.gs	Method	GENSCAN
Start	10	End	1051
GI	none	Score	.74
Exons	10..336, 379..598, 1002..1051		

Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o1.np	Method	AAT/NAP
Start	1	End	1730
GI	6466937	Score	1261

Exons	1..1730		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o2.ts	Method	TBLASTX:Soybean
Start	5	End	304
GI	none	Score	124
Exons	5..304, 15..191		
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o3.tm	Method	TBLASTX:Maize
Start	50	End	350
GI	none	Score	232
Exons	50..349, 51..350		
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o1.tw	Method	TBLASTX:Wheat
Start	161	End	556
GI	none	Score	151
Exons	161..556, 162..455		
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o4.tm	Method	TBLASTX:Maize
Start	353	End	754
GI	none	Score	55
Exons	353..565, 363..461, 545..754,	591..749,	605..754
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o3.ts	Method	TBLASTX:Soybean
Start	752	End	997
GI	none	Score	63
Exons	752..997, 788..955, 798..962		
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o1.tm	Method	TBLASTX:Maize
Start	755	End	1287
GI	none	Score	280
Exons	755..1276, 756..1115, 976..1287,	1203..1274	
Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o3.tw	Method	TBLASTX:Wheat
Start	905	End	1306

GI	none	Score	101
Exons	905..1306, 939..1277		

Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	1348
GI	none	Score	271
Exons	1019..1348		

Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o2.tm	Method	TBLASTX:Maize
Start	1301	End	1727
GI	none	Score	196
Exons	1301..1354, 1370..1726, 1374..1727		

Seq. No.	49389	Seq. ID	OJ990603_03.0419.C48
Gene No.	105069	Strand	-
Start	1	End	1730
Name	OJ990603_03.0419.C48.o2.tw	Method	TBLASTX:Wheat
Start	1383	End	1727
GI	none	Score	172
Exons	1383..1727, 1391..1726		

Seq. No.	49390	Seq. ID	OJ990603_03.0419.C53
Gene No.	105070	Strand	+
Start	641	End	772
Name	OJ990603_03.0419.C53.o1.gs	Method	GENSCAN
Start	641	End	772
GI	none	Score	.75
Exons	641..772		

Seq. No.	49391	Seq. ID	OJ990603_03.0419.C58
Gene No.	105071	Strand	-
Start	800	End	2011
Name	OJ990603_03.0419.C58.o1.gs	Method	GENSCAN
Start	800	End	2011
GI	none	Score	.57
Exons	800..876, 1125..1207, 1953..2011		

Seq. No.	49392	Seq. ID	OJ990603_03.0419.C61
Gene No.	105072	Strand	+
Start	1435	End	1524
Name	OJ990603_03.0419.C61.o1.np	Method	AAT/NAP
Start	1435	End	1524
GI	6721547	Score	98
Exons	1435..1524		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	49393	Seq. ID	OJ990603_03.0419.C63
Gene No.	105073	Strand	-
Start	1	End	1042
Name	OJ990603_03.0419.C63.o1.np	Method	AAT/NAP
Start	1	End	1042

GI	7228457	Score	1488
Exons	1..249, 372..1042		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49393	Seq. ID	OJ990603_03.0419.C63
Gene No.	105073	Strand	-
Start	1	End	1042
Name	OJ990603_03.0419.C63.o1.ts	Method	TBLASTX:Soybean
Start	178	End	549
GI	none	Score	90
Exons	178..549, 389..532		

Seq. No.	49393	Seq. ID	OJ990603_03.0419.C63
Gene No.	105073	Strand	-
Start	1	End	1042
Name	OJ990603_03.0419.C63.o1.tw	Method	TBLASTX:Wheat
Start	208	End	628
GI	none	Score	310
Exons	208..627, 215..628		

Seq. No.	49393	Seq. ID	OJ990603_03.0419.C63
Gene No.	105073	Strand	-
Start	1	End	1042
Name	OJ990603_03.0419.C63.o2.tm	Method	TBLASTX:Maize
Start	301	End	645
GI	none	Score	194
Exons	301..645, 320..634		

Seq. No.	49393	Seq. ID	OJ990603_03.0419.C63
Gene No.	105073	Strand	-
Start	1	End	1042
Name	OJ990603_03.0419.C63.o1.tm	Method	TBLASTX:Maize
Start	711	End	1032
GI	none	Score	64
Exons	711..827, 711..1031, 721..1032		

Seq. No.	49393	Seq. ID	OJ990603_03.0419.C63
Gene No.	105073	Strand	-
Start	1	End	1042
Name	OJ990603_03.0419.C63.o2.tw	Method	TBLASTX:Wheat
Start	735	End	1042
GI	none	Score	152
Exons	735..1037, 741..1001, 742..1041, 755..1042		

Seq. No.	49394	Seq. ID	OJ990603_03.0419.C64
Gene No.	105074	Strand	-
Start	1	End	2511
Name	OJ990603_03.0419.C64.o1.np	Method	AAT/NAP
Start	1	End	2511
GI	7228457	Score	2042
Exons	1..62, 1013..2076, 2138..2511		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49394	Seq. ID	OJ990603_03.0419.C64
Gene No.	105074	Strand	-
Start	1	End	2511
Name	OJ990603_03.0419.C64.o1.gs	Method	GENSCAN
Start	290	End	2472
GI	none	Score	.67
Exons	290..361, 683..752, 1030..1577, 1702..2472		

Seq. No.	49394	Seq. ID	OJ990603_03.0419.C64
Gene No.	105074	Strand	-
Start	1	End	2511
Name	OJ990603_03.0419.C64.o1.tw	Method	TBLASTX:Wheat
Start	1525	End	1857
GI	none	Score	90
Exons	1525..1722, 1544..1738, 1705..1800, 1706..1798, 1810..1857		

Seq. No.	49394	Seq. ID	OJ990603_03.0419.C64
Gene No.	105074	Strand	-
Start	1	End	2511
Name	OJ990603_03.0419.C64.o1.tm	Method	TBLASTX:Maize
Start	1567	End	1852
GI	none	Score	98
Exons	1567..1815, 1568..1852		

Seq. No.	49395	Seq. ID	OJ990603_03.0419.C74
Gene No.	105075	Strand	+
Start	339	End	520
Name	OJ990603_03.0419.C74.o1.gp	Method	AAT/GAP
Start	339	End	520
GI	5455384	Score	239
Exons	339..520		
GI Descrip.	3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	49395	Seq. ID	OJ990603_03.0419.C74
Gene No.	105076	Strand	+
Start	1223	End	1292
Name	OJ990603_03.0419.C74.o1.gs	Method	GENSCAN
Start	1223	End	1292
GI	none	Score	.73
Exons	1223..1292		

Seq. No.	49395	Seq. ID	OJ990603_03.0419.C74
Gene No.	105077	Strand	-
Start	1	End	859
Name	OJ990603_03.0419.C74.o1.np	Method	AAT/NAP
Start	1	End	859
GI	6721547	Score	83
Exons	1..44, 775..859		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	49395	Seq. ID	OJ990603_03.0419.C74
Gene No.	105078	Strand	-
Start	3048	End	3236
Name	OJ990603_03.0419.C74.o2.gp	Method	AAT/GAP

Start	3048	End	3236
GI	2798151	Score	164
Exons	3048..3125, 3168..3236		
GI Descrip.	5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	49396	Seq. ID	OJ990603_03.0419.C75
Gene No.	105079	Strand	+
Start	196	End	417
Name	OJ990603_03.0419.C75.o1.gs	Method	GENSCAN
Start	196	End	417
GI	none	Score	.76
Exons	196..417		

Seq. No.	49397	Seq. ID	OJ990323_01.0420.C1
Gene No.	105080	Strand	-
Start	1	End	690
Name	OJ990323_01.0420.C1.o1.np	Method	AAT/NAP
Start	1	End	690
GI	3860274	Score	115
Exons	1..27, 185..269, 423..690		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	49397	Seq. ID	OJ990323_01.0420.C1
Gene No.	105080	Strand	-
Start	1	End	690
Name	OJ990323_01.0420.C1.o1.gs	Method	GENSCAN
Start	50	End	655
GI	none	Score	.69
Exons	50..79, 242..655		

Seq. No.	49398	Seq. ID	OJ990323_01.0420.C2
Gene No.	105081	Strand	+
Start	1	End	2989
Name	OJ990323_01.0420.C2.o1.np	Method	AAT/NAP
Start	1	End	2989
GI	4006864	Score	630
Exons	1..108, 1167..1607, 1860..2343, 2872..2989		
GI Descrip.	(Z99707) nucleoporin-like protein [Arabidopsis thaliana]		

Seq. No.	49398	Seq. ID	OJ990323_01.0420.C2
Gene No.	105081	Strand	+
Start	1	End	2989
Name	OJ990323_01.0420.C2.o2.tm	Method	TBLASTX:Maize
Start	1164	End	1437
GI	none	Score	203
Exons	1164..1304, 1165..1353, 1165..1302, 1166..1303, 1236..1304, 1318..1353, 1392..1436, 1394..1435, 1395..1436, 1396..1437		

Seq. No.	49398	Seq. ID	OJ990323_01.0420.C2
Gene No.	105081	Strand	+
Start	1	End	2989
Name	OJ990323_01.0420.C2.o1.gs	Method	GENSCAN
Start	1188	End	2903
GI	none	Score	.69
Exons	1188..1607, 1860..2364, 2863..2903		

Seq. No.	49398	Seq. ID	OJ990323_01.0420.C2
Gene No.	105081	Strand	+
Start	1	End	2989
Name	OJ990323_01.0420.C2.o1.tm	Method	TBLASTX:Maize
Start	1502	End	2239
GI	none	Score	162
Exons	1502..1609, 1503..1619, 1849..2142, 1852..1947, 1854..2078, 1859..2239, 2196..2237		

Seq. No.	49398	Seq. ID	OJ990323_01.0420.C2
Gene No.	105081	Strand	+
Start	1	End	2989
Name	OJ990323_01.0420.C2.o1.ts	Method	TBLASTX:Soybean
Start	1529	End	2327
GI	none	Score	95
Exons	1529..1609, 1536..1610, 1854..2051, 1858..2052, 1859..2053, 1860..2087, 2069..2185, 2109..2186, 2249..2326, 2250..2327		

Seq. No.	49399	Seq. ID	OJ990323_01.0420.C4
Gene No.	105082	Strand	+
Start	79	End	3556
Name	OJ990323_01.0420.C4.o1.gs	Method	GENSCAN
Start	79	End	3343
GI	none	Score	.74
Exons	79..242, 1317..1855, 1991..2110, 2241..2350, 2440..2508, 2600..2668, 2784..2870, 3246..3343		

Seq. No.	49399	Seq. ID	OJ990323_01.0420.C4
Gene No.	105082	Strand	+
Start	79	End	3556
Name	OJ990323_01.0420.C4.o1.ts	Method	TBLASTX:Soybean
Start	1506	End	3509
GI	none	Score	89
Exons	1506..1598, 1525..1611, 1958..2017, 2183..2353, 2212..2367, 2437..2508, 2594..2671, 2784..2873, 3276..3344, 3277..3345, 3277..3342, 3426..3509, 3426..3491, 3434..3508		

Seq. No.	49399	Seq. ID	OJ990323_01.0420.C4
Gene No.	105082	Strand	+
Start	79	End	3556
Name	OJ990323_01.0420.C4.o1.np	Method	AAT/NAP
Start	1933	End	3556
GI	1946373	Score	565
Exons	1933..2014, 2105..2350, 2440..2506, 2589..2668, 2784..2870, 3276..3343, 3434..3556		
GI Descrip.	(U93215) putative signal peptidase I [Arabidopsis thaliana]		

Seq. No.	49399	Seq. ID	OJ990323_01.0420.C4
Gene No.	105082	Strand	+
Start	79	End	3556
Name	OJ990323_01.0420.C4.o1.tm	Method	TBLASTX:Maize
Start	1958	End	3521
GI	none	Score	112
Exons	1958..2026, 1959..2036, 1960..2034, 2079..2117, 2080..2154, 2093..2350, 2096..2362, 2209..2352, 2437..2511, 2437..2508, 2439..2510, 2592..2669, 2593..2670, 2594..2671, 2598..2693, 2606..2671, 2784..2873, 2784..2870, 3272..3337, 3274..3342,		

3276..3344, 3276..3344, 3277..3348, 3426..3521, 3434..3520

Seq. No.	49399	Seq. ID	OJ990323_01.0420.C4
Gene No.	105082	Strand	+
Start	79	End	3556
Name	OJ990323_01.0420.C4.o1.tc	Method	TBLASTX:Cress
Start	2186	End	3531
GI	none	Score	194
Exons	2186..2353, 2209..2352, 2437..2505, 2439..2513, 2600..2671, 2784..2870, 3276..3344, 3279..3344, 3426..3527, 3427..3531, 3434..3514		

Seq. No.	49399	Seq. ID	OJ990323_01.0420.C4
Gene No.	105082	Strand	+
Start	79	End	3556
Name	OJ990323_01.0420.C4.o1.tw	Method	TBLASTX:Wheat
Start	2814	End	3526
GI	none	Score	90
Exons	2814..2873, 2814..2864, 3274..3342, 3275..3343, 3276..3344, 3277..3345, 3426..3515, 3427..3519, 3434..3526, 3434..3514		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105083	Strand	+
Start	697	End	1065
Name	OJ990323_01.0420.C5.o1.gs	Method	GENSCAN
Start	697	End	1065
GI	none	Score	.63
Exons	697..1065		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105084	Strand	+
Start	1937	End	3395
Name	OJ990323_01.0420.C5.o1.gp	Method	AAT/GAP
Start	1937	End	2253
GI	4878212	Score	522
Exons	1937..2253		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105084	Strand	+
Start	1937	End	3395
Name	OJ990323_01.0420.C5.o1.np	Method	AAT/NAP
Start	2020	End	3395
GI	2467253	Score	175
Exons	2020..2209, 2303..2538, 2649..2867, 3021..3104, 3190..3395		
GI Descrip.	(Y14972) annexin [Nicotiana tabacum] gi|3219616|emb|CAA76769| (Y17502) p32.1 annexin [Nicotiana tabacum]		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105084	Strand	+
Start	1937	End	3395
Name	OJ990323_01.0420.C5.o2.gs	Method	GENSCAN
Start	2020	End	3372
GI	none	Score	.74
Exons	2020..2229, 2311..2538, 2649..2867, 3015..3104, 3190..3372		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105085	Strand	-

Start	3696	End	4148
Name	OJ990323_01.0420.C5.o1.ts	Method	TBLASTX:Soybean
Start	2107	End	2777
GI	none	Score	64
Exons	2107..2199, 2317..2391, 2401..2523, 2643..2777		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105085	Strand	-
Start	3696	End	4148
Name	OJ990323_01.0420.C5.o1.tm	Method	TBLASTX:Maize
Start	3651	End	4148
GI	none	Score	125
Exons	3651..3845, 3697..3840, 3938..4018, 4080..4148		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105085	Strand	-
Start	3696	End	4148
Name	OJ990323_01.0420.C5.o2.ts	Method	TBLASTX:Soybean
Start	3672	End	4148
GI	none	Score	108
Exons	3672..3839, 3673..3840, 3938..4018, 4080..4148		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105085	Strand	-
Start	3696	End	4148
Name	OJ990323_01.0420.C5.o1.tc	Method	TBLASTX:Cress
Start	3693	End	4148
GI	none	Score	134
Exons	3693..3839, 3697..3840, 3938..4018, 4098..4148		

Seq. No.	49400	Seq. ID	OJ990323_01.0420.C5
Gene No.	105085	Strand	-
Start	3696	End	4148
Name	OJ990323_01.0420.C5.o2.np	Method	AAT/NAP
Start	3696	End	4148
GI	6630552	Score	173
Exons	3696..3837, 3939..4015, 4098..4148		
GI Descrip.	(AC011708) putative membrane protein [Arabidopsis thaliana]		

Seq. No.	49401	Seq. ID	OJ990323_01.0420.C6
Gene No.	105086	Strand	+
Start	1	End	745
Name	OJ990323_01.0420.C6.o1.np	Method	AAT/NAP
Start	1	End	745
GI	6069646	Score	420
Exons	1..745		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49401	Seq. ID	OJ990323_01.0420.C6
Gene No.	105086	Strand	+
Start	1	End	745
Name	OJ990323_01.0420.C6.o2.tm	Method	TBLASTX:Maize
Start	50	End	391

GI	none	Score	48
Exons	50..112, 116..241, 266..391		
Seq. No.	49401	Seq. ID	OJ990323_01.0420.C6
Gene No.	105086	Strand	+
Start	1	End	745
Name	OJ990323_01.0420.C6.o1.tm	Method	TBLASTX:Maize
Start	409	End	745
GI	none	Score	91
Exons	409..531, 422..532, 544..690, 544..735, 545..745		
Seq. No.	49401	Seq. ID	OJ990323_01.0420.C6
Gene No.	105086	Strand	+
Start	1	End	745
Name	OJ990323_01.0420.C6.o1.tw	Method	TBLASTX:Wheat
Start	476	End	736
GI	none	Score	37
Exons	476..523, 525..563, 544..699, 544..735, 548..736		
Seq. No.	49402	Seq. ID	OJ990323_01.0420.C9
Gene No.	105087	Strand	+
Start	505	End	1210
Name	OJ990323_01.0420.C9.o1.gs	Method	GENSCAN
Start	505	End	1210
GI	none	Score	.87
Exons	505..741, 914..1013, 1094..1210		
Seq. No.	49403	Seq. ID	OJ990323_01.0420.C10
Gene No.	105088	Strand	+
Start	1	End	2048
Name	OJ990323_01.0420.C10.o1.np	Method	AAT/NAP
Start	1	End	2048
GI	4138265	Score	880
Exons	1..221, 638..701, 1122..1194, 1328..1448, 1524..1611, 1710..1835, 1931..2048		
GI Descrip.	(AJ006228) Avr9 elicitor response protein [Nicotiana tabacum]		
Seq. No.	49403	Seq. ID	OJ990323_01.0420.C10
Gene No.	105088	Strand	+
Start	1	End	2048
Name	OJ990323_01.0420.C10.o1.gs	Method	GENSCAN
Start	65	End	2040
GI	none	Score	.87
Exons	65..221, 638..701, 1710..1835, 1931..2040		
Seq. No.	49403	Seq. ID	OJ990323_01.0420.C10
Gene No.	105088	Strand	+
Start	1	End	2048
Name	OJ990323_01.0420.C10.o1.tm	Method	TBLASTX:Maize
Start	131	End	2039
GI	none	Score	105
Exons	131..223, 1328..1450, 1328..1450, 1522..1605, 1523..1606, 1558..1611, 1717..1836, 1719..1835, 1930..2028, 1934..2038, 1941..2039		
Seq. No.	49403	Seq. ID	OJ990323_01.0420.C10
Gene No.	105088	Strand	+

Start	1	End	2048
Name	OJ990323_01.0420.C10.o1.ts	Method	TBLASTX:Soybean
Start	143	End	2039
GI	none	Score	136
Exons	143..223, 143..232, 1117..1194, 1327..1398, 1328..1456, 1331..1450, 1522..1602, 1523..1612, 1529..1615, 1680..1835, 1698..1832, 1708..1836, 1712..1861, 1931..2038, 1936..2031, 1941..2039		

Seq. No.	49403	Seq. ID	OJ990323_01.0420.C10
Gene No.	105088	Strand	+
Start	1	End	2048
Name	OJ990323_01.0420.C10.o1.tc	Method	TBLASTX:Cress
Start	1311	End	1838
GI	none	Score	72
Exons	1311..1439, 1326..1412, 1327..1443, 1328..1456, 1328..1438, 1541..1630, 1558..1605, 1708..1833, 1713..1838		

Seq. No.	49404	Seq. ID	OJ990323_01.0420.C11
Gene No.	105089	Strand	+
Start	1	End	1804
Name	OJ990323_01.0420.C11.o1.np	Method	AAT/NAP
Start	1	End	1804
GI	5902444	Score	209
Exons	1..44, 1578..1804		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	49404	Seq. ID	OJ990323_01.0420.C11
Gene No.	105089	Strand	+
Start	1	End	1804
Name	OJ990323_01.0420.C11.o1.gs	Method	GENSCAN
Start	199	End	340
GI	none	Score	.52
Exons	199..340		

Seq. No.	49404	Seq. ID	OJ990323_01.0420.C11
Gene No.	105090	Strand	-
Start	1542	End	1666
Name	OJ990323_01.0420.C11.o2.gs	Method	GENSCAN
Start	1542	End	1666
GI	none	Score	.95
Exons	1542..1666		

Seq. No.	49404	Seq. ID	OJ990323_01.0420.C11
Gene No.	105091	Strand	
Start	1578	End	1802
Name	OJ990323_01.0420.C11.o1.tw	Method	TBLASTX:Wheat
Start	1578	End	1802
GI	none	Score	177
Exons	1578..1802, 1580..1687		

Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o1.gs	Method	GENSCAN
Start	291	End	2635
GI	none	Score	.87

Exons	291..419, 1054..1303, 1341..1638, 1738..1845, 2044..2635		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o1.tw	Method	TBLASTX:Wheat
Start	1008	End	1456
GI	none	Score	139
Exons	1008..1175, 1009..1140, 1120..1455, 1150..1374, 1154..1456		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o1.np	Method	AAT/NAP
Start	1063	End	2670
GI	5902445	Score	1665
Exons	1063..2670		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o1.tm	Method	TBLASTX:Maize
Start	1166	End	1486
GI	none	Score	381
Exons	1166..1486, 1184..1435, 1192..1464		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o2.tm	Method	TBLASTX:Maize
Start	1514	End	1897
GI	none	Score	311
Exons	1514..1897, 1618..1896		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o2.tw	Method	TBLASTX:Wheat
Start	1571	End	1990
GI	none	Score	447
Exons	1571..1990, 1581..1727, 1618..1953		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o1.ts	Method	TBLASTX:Soybean
Start	1655	End	2050
GI	none	Score	294
Exons	1655..2050, 1657..1809		
Seq. No.	49405	Seq. ID	OJ990323_01.0420.C12
Gene No.	105092	Strand	+
Start	291	End	2670
Name	OJ990323_01.0420.C12.o3.tw	Method	TBLASTX:Wheat
Start	2140	End	2548
GI	none	Score	208

Exons	2140..2367, 2141..2365, 2245..2367, 2375..2548		
Seq. No.	49406	Seq. ID	OJ990323_01.0420.C14
Gene No.	105093	Strand	+
Start	804	End	1765
Name	OJ990323_01.0420.C14.o1.gs	Method	GENSCAN
Start	804	End	1765
GI	none	Score	.42
Exons	804..871, 1062..1322, 1648..1765		
Seq. No.	49407	Seq. ID	OJ990323_01.0420.C15
Gene No.	105094	Strand	-
Start	783	End	1039
Name	OJ990323_01.0420.C15.o1.np	Method	AAT/NAP
Start	450	End	989
GI	7523517	Score	319
Exons	450..546, 691..989		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	49407	Seq. ID	OJ990323_01.0420.C15
Gene No.	105094	Strand	-
Start	783	End	1039
Name	OJ990323_01.0420.C15.o1.gs	Method	GENSCAN
Start	783	End	1039
GI	none	Score	.66
Exons	783..1039		
Seq. No.	49408	Seq. ID	OJ990323_01.0420.C16
Gene No.	105095	Strand	+
Start	1	End	3050
Name	OJ990323_01.0420.C16.o2.np	Method	AAT/NAP
Start	1	End	2162
GI	6721561	Score	1146
Exons	1..70, 1003..1193, 1264..1323, 1397..2162		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49408	Seq. ID	OJ990323_01.0420.C16
Gene No.	105095	Strand	+
Start	1	End	3050
Name	OJ990323_01.0420.C16.o1.gs	Method	GENSCAN
Start	11	End	3050
GI	none	Score	.52
Exons	11..110, 267..300, 444..643, 810..934, 1002..1193, 1568..2031, 2281..2426, 2534..2904, 2913..3050		
Seq. No.	49408	Seq. ID	OJ990323_01.0420.C16
Gene No.	105095	Strand	+
Start	1	End	3050
Name	OJ990323_01.0420.C16.o1.np	Method	AAT/NAP
Start	11	End	1657
GI	6721558	Score	278
Exons	11..110, 810..934, 1448..1657		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	49409	Seq. ID	OJ990323_01.0420.C17
Gene No.	105096	Strand	+
Start	382	End	1295
Name	OJ990323_01.0420.C17.o1.np	Method	AAT/NAP
Start	382	End	1295
GI	7487145	Score	335
Exons	382..496, 565..1295		
GI Descrip.	hypothetical protein T18E12.13 - Arabidopsis thaliana gi|3548810|gb|AAC34482.1| (AC005313) putative chloroplast nucleoid DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	49409	Seq. ID	OJ990323_01.0420.C17
Gene No.	105096	Strand	+
Start	382	End	1295
Name	OJ990323_01.0420.C17.o1.gs	Method	GENSCAN
Start	496	End	1280
GI	none	Score	.57
Exons	496..1280		

Seq. No.	49409	Seq. ID	OJ990323_01.0420.C17
Gene No.	105096	Strand	+
Start	382	End	1295
Name	OJ990323_01.0420.C17.o1.ts	Method	TBLASTX:Soybean
Start	772	End	1295
GI	none	Score	206
Exons	772..969, 774..953, 1003..1146, 1158..1295, 1159..1287		

Seq. No.	49409	Seq. ID	OJ990323_01.0420.C17
Gene No.	105096	Strand	+
Start	382	End	1295
Name	OJ990323_01.0420.C17.o1.tc	Method	TBLASTX:Cress
Start	775	End	1287
GI	none	Score	153
Exons	775..969, 976..1089, 1114..1287		

Seq. No.	49409	Seq. ID	OJ990323_01.0420.C17
Gene No.	105096	Strand	+
Start	382	End	1295
Name	OJ990323_01.0420.C17.o1.tm	Method	TBLASTX:Maize
Start	805	End	1295
GI	none	Score	143
Exons	805..978, 807..974, 838..975, 1009..1092, 1114..1290, 1120..1290, 1122..1295		

Seq. No.	49410	Seq. ID	OJ990323_01.0420.C18
Gene No.	105097	Strand	+
Start	1	End	467
Name	OJ990323_01.0420.C18.o1.np	Method	AAT/NAP
Start	1	End	320
GI	7487145	Score	166
Exons	1..320		
GI Descrip.	hypothetical protein T18E12.13 - Arabidopsis thaliana gi|3548810|gb|AAC34482.1| (AC005313) putative chloroplast nucleoid DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	49410	Seq. ID	OJ990323_01.0420.C18
Gene No.	105097	Strand	+
Start	1	End	467
Name	OJ990323_01.0420.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	314
GI	none	Score	77
Exons	2..61, 2..61, 3..62, 75..314,	92..313	

Seq. No.	49410	Seq. ID	OJ990323_01.0420.C18
Gene No.	105097	Strand	+
Start	1	End	467
Name	OJ990323_01.0420.C18.o1.gs	Method	GENSCAN
Start	84	End	467
GI	none	Score	.76
Exons	84..302, 375..467		

Seq. No.	49411	Seq. ID	OJ990323_01.0420.C19
Gene No.	105098	Strand	+
Start	334	End	1531
Name	OJ990323_01.0420.C19.o1.gs	Method	GENSCAN
Start	334	End	1531
GI	none	Score	.41
Exons	334..441, 515..636, 1476..1531		

Seq. No.	49411	Seq. ID	OJ990323_01.0420.C19
Gene No.	105098	Strand	+
Start	334	End	1531
Name	OJ990323_01.0420.C19.o1.tm	Method	TBLASTX:Maize
Start	1337	End	1520
GI	none	Score	195
Exons	1337..1519, 1338..1520		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105099	Strand	-
Start	1	End	1878
Name	OJ990323_01.0420.C21.o1.gp	Method	AAT/GAP
Start	1	End	876
GI	294_7.R1084	Score	446
Exons	1..34, 199..243, 464..541, 664..876		
GI Descrip.	'322750/pir||S28420 2.0e-33 ubiquitin / ribosomal protein CEP52 - wood tobacco >gi_170217 (M74100) ubiquitin fusion protein [Nicotiana sylvestris]'		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105099	Strand	-
Start	1	End	1878
Name	OJ990323_01.0420.C21.o1.gs	Method	GENSCAN
Start	211	End	1576
GI	none	Score	.87
Exons	211..252, 475..517, 664..874,	1555..1576	

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105099	Strand	-
Start	1	End	1878
Name	OJ990323_01.0420.C21.o1.np	Method	AAT/NAP
Start	451	End	1878

GI	7510857	Score	431
Exons	451..541, 664..874, 1784..1878		
GI Descrip.	hypothetical protein ZK1010.1 - Caenorhabditis elegans gi|468272|gb|AAC37252.1| (L31492) ubiquitin/ribosomal fusion protein [Caenorhabditis elegans] gi|3881474|emb|CAB04967.1| (Z82083) UBQ-2 ubiquitin; cDNA EST EMBL:C08020 comes from this gene; cDNA EST EMBL:C09601 comes from this gene; cDNA EST EMBL:C13305 comes from this gene; cDNA EST EMBL:C11253 comes from this gene; cD		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105100	Strand	-
Start	1782	End	1878
Name	OJ990323_01.0420.C21.o1.ts	Method	TBLASTX:Soybean
Start	368	End	1877
GI	none	Score	72
Exons	368..448, 472..543, 479..550, 663..725, 728..823, 769..879, 780..875, 1779..1877		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105100	Strand	-
Start	1782	End	1878
Name	OJ990323_01.0420.C21.o1.tm	Method	TBLASTX:Maize
Start	395	End	1878
GI	none	Score	92
Exons	395..433, 472..543, 479..550, 480..566, 480..581, 663..725, 665..706, 722..823, 768..872, 769..879, 780..875, 1779..1877, 1780..1878		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105100	Strand	-
Start	1782	End	1878
Name	OJ990323_01.0420.C21.o1.tc	Method	TBLASTX:Cress
Start	472	End	1878
GI	none	Score	64
Exons	472..543, 479..550, 479..550, 663..725, 768..875, 769..879, 780..875, 1779..1877, 1780..1878		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105100	Strand	-
Start	1782	End	1878
Name	OJ990323_01.0420.C21.o1.tw	Method	TBLASTX:Wheat
Start	472	End	879
GI	none	Score	129
Exons	472..543, 474..545, 476..550, 477..560, 662..766, 663..737, 665..748, 736..876, 768..875, 769..879		

Seq. No.	49412	Seq. ID	OJ990323_01.0420.C21
Gene No.	105100	Strand	-
Start	1782	End	1878
Name	OJ990323_01.0420.C21.o2.gp	Method	AAT/GAP
Start	1782	End	1878
GI	3762192	Score	165
Exons	1782..1878		
GI Descrip.	322750/pir||S28420 2.0e-33 ubiquitin / ribosomal protein CEP52 - wood tobacco >gi_170217 (M74100) ubiquitin fusion protein [Nicotiana sylvestris]		

Seq. No.	49413	Seq. ID	OJ990323_01.0420.C23
Gene No.	105101	Strand	-
Start	22	End	525
Name	OJ990323_01.0420.C23.o1.gs	Method	GENSCAN
Start	22	End	525
GI	none	Score	.56
Exons	22..525		

Seq. No.	49414	Seq. ID	OJ990323_01.0420.C24
Gene No.	105102	Strand	+
Start	1	End	305
Name	OJ990323_01.0420.C24.o1.np	Method	AAT/NAP
Start	1	End	298
GI	6552732	Score	223
Exons	1..298		
GI Descrip.	(AC013482) T26F17.10 [Arabidopsis thaliana]		

Seq. No.	49414	Seq. ID	OJ990323_01.0420.C24
Gene No.	105102	Strand	+
Start	1	End	305
Name	OJ990323_01.0420.C24.o1.tm	Method	TBLASTX:Maize
Start	12	End	248
GI	none	Score	186
Exons	12..248, 65..247		

Seq. No.	49414	Seq. ID	OJ990323_01.0420.C24
Gene No.	105102	Strand	+
Start	1	End	305
Name	OJ990323_01.0420.C24.o1.gs	Method	GENSCAN
Start	44	End	305
GI	none	Score	.99
Exons	44..305		

Seq. No.	49415	Seq. ID	OJ990323_01.0420.C25
Gene No.	105103	Strand	+
Start	1	End	1160
Name	OJ990323_01.0420.C25.o1.np	Method	AAT/NAP
Start	1	End	1030
GI	6382507	Score	234
Exons	1..206, 382..501, 615..646, 734..1030		
GI Descrip.	(AC010704) unknown protein [Arabidopsis thaliana]		

Seq. No.	49415	Seq. ID	OJ990323_01.0420.C25
Gene No.	105103	Strand	+
Start	1	End	1160
Name	OJ990323_01.0420.C25.o1.gp	Method	AAT/GAP
Start	37	End	873
GI	none	Score	915
Exons	37..206, 337..501, 615..646, 734..873		

Seq. No.	49415	Seq. ID	OJ990323_01.0420.C25
Gene No.	105103	Strand	+
Start	1	End	1160
Name	OJ990323_01.0420.C25.o1.gs	Method	GENSCAN
Start	52	End	1160
GI	none	Score	.86

Exons	52..170, 337..501, 734..1160		
Seq. No.	49416	Seq. ID	OJ990323_01.0420.C27
Gene No.	105104	Strand	-
Start	1	End	323
Name	OJ990323_01.0420.C27.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	none	Score	638
Exons	1..323		
Seq. No.	49417	Seq. ID	OJ990323_01.0420.C28
Gene No.	105105	Strand	+
Start	1288	End	1366
Name	OJ990323_01.0420.C28.o1.gp	Method	AAT/GAP
Start	1288	End	1366
GI	2442960	Score	127
Exons	1288..1366		
Seq. No.	49417	Seq. ID	OJ990323_01.0420.C28
Gene No.	105106	Strand	
Start	1287	End	1408
Name	OJ990323_01.0420.C28.o1.tm	Method	TBLASTX:Maize
Start	1287	End	1407
GI	none	Score	144
Exons	1287..1406, 1290..1406, 1291..1407		
Seq. No.	49417	Seq. ID	OJ990323_01.0420.C28
Gene No.	105106	Strand	
Start	1287	End	1408
Name	OJ990323_01.0420.C28.o1.tw	Method	TBLASTX:Wheat
Start	1287	End	1408
GI	none	Score	133
Exons	1287..1406, 1290..1406, 1291..1407, 1292..1408		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105107	Strand	+
Start	1	End	1357
Name	OJ990323_01.0420.C29.o1.np	Method	AAT/NAP
Start	1	End	1357
GI	5902445	Score	1781
Exons	1..1357		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o1.tm	Method	TBLASTX:Maize
Start	252	End	549
GI	none	Score	178
Exons	252..401, 253..399, 402..548, 403..549		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o2.tw	Method	TBLASTX:Wheat
Start	258	End	621
GI	none	Score	163

Exons	258..392, 259..396, 397..576, 426..542, 427..543, 518..619, 583..621		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o3.tm	Method	TBLASTX:Maize
Start	691	End	964
GI	none	Score	101
Exons	691..789, 692..790, 781..855, 785..868, 878..964		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o1.tw	Method	TBLASTX:Wheat
Start	734	End	1348
GI	none	Score	361
Exons	734..1192, 754..843, 895..1023, 1217..1348		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o2.tm	Method	TBLASTX:Maize
Start	1046	End	1309
GI	none	Score	163
Exons	1046..1228, 1168..1227, 1207..1308, 1208..1309		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o2.gs	Method	GENSCAN
Start	1690	End	2120
GI	none	Score	.79
Exons	1690..2120		
Seq. No.	49418	Seq. ID	OJ990323_01.0420.C29
Gene No.	105108	Strand	-
Start	1690	End	2155
Name	OJ990323_01.0420.C29.o2.np	Method	AAT/NAP
Start	1693	End	2155
GI	5902446	Score	621
Exons	1693..2155		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		
Seq. No.	49419	Seq. ID	OJ990323_01.0420.C30
Gene No.	105109	Strand	-
Start	1	End	2255
Name	OJ990323_01.0420.C30.o1.np	Method	AAT/NAP
Start	1	End	2216
GI	6691716	Score	1805
Exons	1..176, 251..438, 518..697, 776..876, 953..1130, 1328..2216		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	49419	Seq. ID	OJ990323_01.0420.C30
Gene No.	105109	Strand	-

Start	1	End	2255
Name	OJ990323_01.0420.C30.o1.gs	Method	GENSCAN
Start	21	End	2255
GI	none	Score	.7
Exons	21..176, 251..450, 506..876, 953..1245, 1332..1535, 1914..2255		

Seq. No.	49419	Seq. ID	OJ990323_01.0420.C30
Gene No.	105109	Strand	-
Start	1	End	2255
Name	OJ990323_01.0420.C30.o1.tw	Method	TBLASTX:Wheat
Start	1806	End	2096
GI	none	Score	203
Exons	1806..2096		

Seq. No.	49420	Seq. ID	OJ990323_01.0420.C32
Gene No.	105110	Strand	+
Start	813	End	953
Name	OJ990323_01.0420.C32.o1.gs	Method	GENSCAN
Start	813	End	953
GI	none	Score	.53
Exons	813..953		

Seq. No.	49421	Seq. ID	OJ990323_01.0420.C33
Gene No.	105111	Strand	+
Start	209	End	904
Name	OJ990323_01.0420.C33.o1.gs	Method	GENSCAN
Start	209	End	904
GI	none	Score	.86
Exons	209..904		

Seq. No.	49421	Seq. ID	OJ990323_01.0420.C33
Gene No.	105111	Strand	+
Start	209	End	904
Name	OJ990323_01.0420.C33.o1.np	Method	AAT/NAP
Start	209	End	841
GI	6553882	Score	396
Exons	209..841		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	49421	Seq. ID	OJ990323_01.0420.C33
Gene No.	105112	Strand	-
Start	981	End	1266
Name	OJ990323_01.0420.C33.o1.ts	Method	TBLASTX:Soybean
Start	305	End	763
GI	none	Score	226
Exons	305..472, 319..471, 338..472, 339..476, 491..763, 518..658, 532..738		

Seq. No.	49421	Seq. ID	OJ990323_01.0420.C33
Gene No.	105112	Strand	-
Start	981	End	1266
Name	OJ990323_01.0420.C33.o1.tc	Method	TBLASTX:Cress
Start	320	End	789
GI	none	Score	183
Exons	320..472, 349..468, 524..784, 532..789		

Seq. No.	49421	Seq. ID	OJ990323_01.0420.C33

Gene No.	105112	Strand	-
Start	981	End	1266
Name	OJ990323_01.0420.C33.o1.tm	Method	TBLASTX:Maize
Start	362	End	796
GI	none	Score	180
Exons	362..472, 362..475, 367..477, 500..796, 515..661, 532..762		

Seq. No.	49421	Seq. ID	OJ990323_01.0420.C33
Gene No.	105112	Strand	-
Start	981	End	1266
Name	OJ990323_01.0420.C33.o1.gp	Method	AAT/GAP
Start	981	End	1266
GI	none	Score	454
Exons	981..1266		

Seq. No.	49422	Seq. ID	OJ990323_01.0420.C36
Gene No.	105113	Strand	+
Start	154	End	1173
Name	OJ990323_01.0420.C36.o1.gs	Method	GENSCAN
Start	154	End	1069
GI	none	Score	.52
Exons	154..514, 521..705, 791..1069		

Seq. No.	49422	Seq. ID	OJ990323_01.0420.C36
Gene No.	105113	Strand	+
Start	154	End	1173
Name	OJ990323_01.0420.C36.o1.np	Method	AAT/NAP
Start	160	End	1173
GI	7523506	Score	339
Exons	160..270, 768..1173		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49423	Seq. ID	OJ990323_01.0420.C37
Gene No.	105114	Strand	+
Start	218	End	596
Name	OJ990323_01.0420.C37.o1.gs	Method	GENSCAN
Start	218	End	596
GI	none	Score	.69
Exons	218..338, 454..596		

Seq. No.	49423	Seq. ID	OJ990323_01.0420.C37
Gene No.	105115	Strand	+
Start	1852	End	2046
Name	OJ990323_01.0420.C37.o1.gp	Method	AAT/GAP
Start	1852	End	2046
GI	34229_1.R1084	Score	312
Exons	1852..2046		
GI Descrip.	'2702281 3.0e-54 (AC003033) putative protein disulfide isomerase precursor [Arabidopsis thaliana]'		

Seq. No.	49423	Seq. ID	OJ990323_01.0420.C37
Gene No.	105116	Strand	-
Start	1601	End	1768
Name	OJ990323_01.0420.C37.o2.gs	Method	GENSCAN
Start	1601	End	1768
GI	none	Score	.53
Exons	1601..1768		

Seq. No.	49424	Seq. ID	OJ990323_01.0420.C38
Gene No.	105117	Strand	-
Start	1	End	1395
Name	OJ990323_01.0420.C38.o1.np	Method	AAT/NAP
Start	1	End	1395
GI	7437395	Score	394
Exons	1..23, 380..524, 614..790, 1366..1395		
GI Descrip.	hypothetical protein T21L14.14 - Arabidopsis thaliana gi|2702281|gb|AAB91984.1| (AC003033) putative protein disulfide isomerase [Arabidopsis thaliana]		

Seq. No.	49424	Seq. ID	OJ990323_01.0420.C38
Gene No.	105117	Strand	-
Start	1	End	1395
Name	OJ990323_01.0420.C38.o1.tm	Method	TBLASTX:Maize
Start	367	End	793
GI	none	Score	218
Exons	367..525, 380..535, 381..524, 600..791, 613..792, 614..793, 617..793, 653..727, 728..793		

Seq. No.	49424	Seq. ID	OJ990323_01.0420.C38
Gene No.	105117	Strand	-
Start	1	End	1395
Name	OJ990323_01.0420.C38.o1.tc	Method	TBLASTX:Cress
Start	381	End	532
GI	none	Score	182
Exons	381..524, 385..525, 431..532		

Seq. No.	49424	Seq. ID	OJ990323_01.0420.C38
Gene No.	105117	Strand	-
Start	1	End	1395
Name	OJ990323_01.0420.C38.o1.gp	Method	AAT/GAP
Start	396	End	1395
GI	21291_1.R1084	Score	606
Exons	396..524, 614..790, 1366..1395		
GI Descrip.	'2702281 2.0e-70 (AC003033) putative protein disulfide isomerase precursor [Arabidopsis thaliana]'		

Seq. No.	49424	Seq. ID	OJ990323_01.0420.C38
Gene No.	105117	Strand	-
Start	1	End	1395
Name	OJ990323_01.0420.C38.o1.gs	Method	GENSCAN
Start	433	End	1011
GI	none	Score	.82
Exons	433..524, 614..790, 970..1011		

Seq. No.	49424	Seq. ID	OJ990323_01.0420.C38
Gene No.	105117	Strand	-
Start	1	End	1395
Name	OJ990323_01.0420.C38.o1.ts	Method	TBLASTX:Soybean
Start	471	End	793
GI	none	Score	61
Exons	471..524, 472..525, 600..791, 614..793, 614..793, 653..736		

Seq. No.	49425	Seq. ID	OJ990323_01.0420.C39
Gene No.	105118	Strand	-

Start	1	End	1944
Name	OJ990323_01.0420.C39.o1.np	Method	AAT/NAP
Start	1	End	1944
GI	7211992	Score	236
Exons	1..42, 973..1131, 1235..1298, 1886..1944		
GI Descrip.	(AC004809) Strong simialrity to the disulfide isomerase precursor homolog T21L14.14 gi|2702281 from A. thaliana on BAC gb|AC003033. [Arabidopsis thaliana]		

Seq. No.	49425	Seq. ID	OJ990323_01.0420.C39
Gene No.	105118	Strand	-
Start	1	End	1944
Name	OJ990323_01.0420.C39.o2.gs	Method	GENSCAN
Start	695	End	1360
GI	none	Score	.99
Exons	695..778, 973..1131, 1235..1360		

Seq. No.	49425	Seq. ID	OJ990323_01.0420.C39
Gene No.	105118	Strand	-
Start	1	End	1944
Name	OJ990323_01.0420.C39.o1.gp	Method	AAT/GAP
Start	972	End	1403
GI	10695_1.R1084	Score	608
Exons	972..1131, 1235..1403		
GI Descrip.	'2702281 4.0e-48 (AC003033) putative protein disulfide isomerase precursor [Arabidopsis thaliana]'		

Seq. No.	49425	Seq. ID	OJ990323_01.0420.C39
Gene No.	105118	Strand	-
Start	1	End	1944
Name	OJ990323_01.0420.C39.o1.tc	Method	TBLASTX:Cress
Start	973	End	1276
GI	none	Score	123
Exons	973..1134, 1016..1132, 1232..1276		

Seq. No.	49425	Seq. ID	OJ990323_01.0420.C39
Gene No.	105118	Strand	-
Start	1	End	1944
Name	OJ990323_01.0420.C39.o1.ts	Method	TBLASTX:Soybean
Start	973	End	1276
GI	none	Score	150
Exons	973..1134, 979..1131, 1016..1132, 1025..1105, 1232..1276		

Seq. No.	49425	Seq. ID	OJ990323_01.0420.C39
Gene No.	105118	Strand	-
Start	1	End	1944
Name	OJ990323_01.0420.C39.o1.tm	Method	TBLASTX:Maize
Start	973	End	1279
GI	none	Score	201
Exons	973..1134, 973..1134, 979..1131, 1025..1105, 1232..1279, 1235..1267		

Seq. No.	49426	Seq. ID	OJ990323_01.0420.C40
Gene No.	105119	Strand	+
Start	438	End	2371
Name	OJ990323_01.0420.C40.o1.np	Method	AAT/NAP
Start	438	End	2371

GI	7487145	Score	451
Exons	438..510, 1581..2371		
GI Descrip.	hypothetical protein T18E12.13 - Arabidopsis thaliana gi|3548810|gb|AAC34482.1| (AC005313) putative chloroplast nucleoid DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	49426	Seq. ID	OJ990323_01.0420.C40
Gene No.	105119	Strand	+
Start	438	End	2371
Name	OJ990323_01.0420.C40.o1.gs	Method	GENSCAN
Start	1507	End	2339
GI	none	Score	.94
Exons	1507..2339		

Seq. No.	49426	Seq. ID	OJ990323_01.0420.C40
Gene No.	105119	Strand	+
Start	438	End	2371
Name	OJ990323_01.0420.C40.o1.tc	Method	TBLASTX:Cress
Start	1752	End	2253
GI	none	Score	259
Exons	1752..2054, 1753..2058, 2074..2253, 2079..2174		

Seq. No.	49426	Seq. ID	OJ990323_01.0420.C40
Gene No.	105119	Strand	+
Start	438	End	2371
Name	OJ990323_01.0420.C40.o1.ts	Method	TBLASTX:Soybean
Start	1752	End	2370
GI	none	Score	238
Exons	1752..1955, 1753..1965, 1972..2124, 2019..2114, 2130..2210, 2131..2310, 2296..2370		

Seq. No.	49426	Seq. ID	OJ990323_01.0420.C40
Gene No.	105119	Strand	+
Start	438	End	2371
Name	OJ990323_01.0420.C40.o1.tm	Method	TBLASTX:Maize
Start	1774	End	2283
GI	none	Score	159
Exons	1774..1845, 1777..1965, 1779..1892, 1975..2061, 1978..2049, 2073..2264, 2074..2283		

Seq. No.	49427	Seq. ID	OJ990323_01.0420.C41
Gene No.	105120	Strand	+
Start	197	End	1068
Name	OJ990323_01.0420.C41.o1.gs	Method	GENSCAN
Start	197	End	1068
GI	none	Score	.55
Exons	197..253, 958..1068		

Seq. No.	49427	Seq. ID	OJ990323_01.0420.C41
Gene No.	105121	Strand	-
Start	1056	End	1219
Name	OJ990323_01.0420.C41.o1.np	Method	AAT/NAP
Start	1056	End	1219
GI	6907106	Score	128
Exons	1056..1219		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49428	Seq. ID	OJ990323_01.0420.C42
Gene No.	105122	Strand	-
Start	673	End	910
Name	OJ990323_01.0420.C42.o1.gs	Method	GENSCAN
Start	673	End	910
GI	none	Score	.89
Exons	673..781, 876..910		

Seq. No.	49429	Seq. ID	OJ990323_01.0420.C43
Gene No.	105123	Strand	-
Start	931	End	2260
Name	OJ990323_01.0420.C43.o1.gp	Method	AAT/GAP
Start	838	End	1069
GI	6025058	Score	365
Exons	838..1069		

Seq. No.	49429	Seq. ID	OJ990323_01.0420.C43
Gene No.	105123	Strand	-
Start	931	End	2260
Name	OJ990323_01.0420.C43.o1.tm	Method	TBLASTX:Maize
Start	923	End	1338
GI	none	Score	106
Exons	923..1138, 927..1034, 928..1140, 928..1143, 966..1145, 1079..1180, 1266..1337, 1267..1338		

Seq. No.	49429	Seq. ID	OJ990323_01.0420.C43
Gene No.	105123	Strand	-
Start	931	End	2260
Name	OJ990323_01.0420.C43.o1.gs	Method	GENSCAN
Start	931	End	2251
GI	none	Score	.94
Exons	931..1128, 1278..1392, 1854..1942, 2162..2251		

Seq. No.	49429	Seq. ID	OJ990323_01.0420.C43
Gene No.	105123	Strand	-
Start	931	End	2260
Name	OJ990323_01.0420.C43.o1.np	Method	AAT/NAP
Start	940	End	2260
GI	4056428	Score	451
Exons	940..1152, 1278..1392, 1854..1942, 2162..2260		
GI Descrip.	(AC005322) Similar to gb|U43629 integral membrane protein from Beta vulgaris and a member of sugar transporter family PF|00083. [Arabidopsis thaliana]		

Seq. No.	49429	Seq. ID	OJ990323_01.0420.C43
Gene No.	105123	Strand	-
Start	931	End	2260
Name	OJ990323_01.0420.C43.o2.gp	Method	AAT/GAP
Start	1067	End	2260
GI	LIB3432-015-P1-K1-E10	Score	595
Exons	1067..1128, 1278..1392, 1854..1942, 2162..2260		
GI Descrip.	'4056428 2.0e-43 (AC005322) Similar to gb_U43629 integral membrane protein from Beta vulgaris and a member of sugar transporter family PF_00083. [Arabidopsis thaliana]'		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1

Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	2498
GI	6466937	Score	1537
Exons	1..2498		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o2.ts	Method	TBLASTX:Soybean
Start	58	End	354
GI	none	Score	98
Exons	58..354, 62..238		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o3.tm	Method	TBLASTX:Maize
Start	124	End	357
GI	none	Score	134
Exons	124..357, 149..322		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o4.tm	Method	TBLASTX:Maize
Start	361	End	681
GI	none	Score	206
Exons	361..681		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o2.tw	Method	TBLASTX:Wheat
Start	589	End	978
GI	none	Score	228
Exons	589..978		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o2.tm	Method	TBLASTX:Maize
Start	790	End	1315
GI	none	Score	71
Exons	790..1056, 881..979, 1063..1314, 1166..1315		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	1060	End	1410
GI	none	Score	303
Exons	1060..1410		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o3.tw	Method	TBLASTX:Wheat
Start	1060	End	1338
GI	none	Score	54
Exons	1060..1338, 1105..1215, 1172..1306		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	1333	End	1818
GI	none	Score	136
Exons	1333..1641, 1346..1582, 1630..1818, 1641..1817		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	1387	End	1868
GI	none	Score	119
Exons	1387..1641, 1390..1632, 1448..1639, 1644..1868		

Seq. No.	49430	Seq. ID	OJ000108_55.0426.C1
Gene No.	105124	Strand	-
Start	1	End	2498
Name	OJ000108_55.0426.C1.o3.ts	Method	TBLASTX:Soybean
Start	1519	End	1826
GI	none	Score	107
Exons	1519..1641, 1644..1826		

Seq. No.	49431	Seq. ID	OJ000108_55.0426.C15
Gene No.	105125	Strand	+
Start	111	End	227
Name	OJ000108_55.0426.C15.o1.gs	Method	GENSCAN
Start	111	End	227
GI	none	Score	.73
Exons	111..227		

Seq. No.	49432	Seq. ID	OJ000108_55.0426.C19
Gene No.	105126	Strand	+
Start	1	End	711
Name	OJ000108_55.0426.C19.o1.gs	Method	GENSCAN
Start	1	End	629
GI	none	Score	.64
Exons	1..175, 267..430, 474..629		

Seq. No.	49432	Seq. ID	OJ000108_55.0426.C19
Gene No.	105126	Strand	+
Start	1	End	711
Name	OJ000108_55.0426.C19.o1.np	Method	AAT/NAP
Start	1	End	711
GI	7302542	Score	133
Exons	1..175, 264..430, 521..711		
GI Descrip.	(AE003798) CG15084 gene product [Drosophila melanogaster]		

Seq. No.	49432	Seq. ID	OJ000108_55.0426.C19
Gene No.	105126	Strand	+
Start	1	End	711
Name	OJ000108_55.0426.C19.o1.tm	Method	TBLASTX:Maize
Start	33	End	711
GI	none	Score	233
Exons	33..110, 34..174, 35..181, 244..354, 264..428, 266..430, 270..443, 338..430, 521..709, 525..710, 526..711		

Seq. No.	49432	Seq. ID	OJ000108_55.0426.C19
Gene No.	105126	Strand	+
Start	1	End	711
Name	OJ000108_55.0426.C19.o1.ts	Method	TBLASTX:Soybean
Start	33	End	430
GI	none	Score	202
Exons	33..110, 34..174, 80..184, 107..160, 265..354, 266..430		

Seq. No.	49432	Seq. ID	OJ000108_55.0426.C19
Gene No.	105126	Strand	+
Start	1	End	711
Name	OJ000108_55.0426.C19.o1.gp	Method	AAT/GAP
Start	140	End	711
GI	none	Score	722
Exons	140..175, 267..430, 521..711		

Seq. No.	49432	Seq. ID	OJ000108_55.0426.C19
Gene No.	105126	Strand	+
Start	1	End	711
Name	OJ000108_55.0426.C19.o2.ts	Method	TBLASTX:Soybean
Start	511	End	711
GI	none	Score	179
Exons	511..711, 512..709		

Seq. No.	49433	Seq. ID	OJ000108_55.0426.C21
Gene No.	105127	Strand	+
Start	1	End	341
Name	OJ000108_55.0426.C21.o1.gp	Method	AAT/GAP
Start	1	End	202
GI	32697_1.R1084	Score	355
Exons	1..202		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	49433	Seq. ID	OJ000108_55.0426.C21
Gene No.	105127	Strand	+
Start	1	End	341
Name	OJ000108_55.0426.C21.o1.gs	Method	GENSCAN
Start	62	End	341
GI	none	Score	.54
Exons	62..201, 279..341		

Seq. No.	49433	Seq. ID	OJ000108_55.0426.C21
Gene No.	105128	Strand	-
Start	859	End	939
Name	OJ000108_55.0426.C21.o2.gp	Method	AAT/GAP
Start	859	End	939
GI	none	Score	132

Exons	859..939		
Seq. No.	49434	Seq. ID	OJ000108_55.0426.C28
Gene No.	105129	Strand	+
Start	513	End	658
Name	OJ000108_55.0426.C28.o1.gs	Method	GENSCAN
Start	513	End	658
GI	none	Score	.87
Exons	513..658		
Seq. No.	49435	Seq. ID	OJ000108_55.0426.C29
Gene No.	105130	Strand	+
Start	241	End	499
Name	OJ000108_55.0426.C29.o1.gs	Method	GENSCAN
Start	241	End	499
GI	none	Score	.51
Exons	241..311, 444..499		
Seq. No.	49435	Seq. ID	OJ000108_55.0426.C29
Gene No.	105131	Strand	-
Start	282	End	486
Name	OJ000108_55.0426.C29.o1.np	Method	AAT/NAP
Start	282	End	486
GI	6815070	Score	38
Exons	282..486		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		
Seq. No.	49436	Seq. ID	OJ000108_55.0426.C30
Gene No.	105132	Strand	+
Start	54	End	456
Name	OJ000108_55.0426.C30.o1.gs	Method	GENSCAN
Start	54	End	456
GI	none	Score	.45
Exons	54..103, 278..456		
Seq. No.	49437	Seq. ID	OJ000108_55.0426.C32
Gene No.	105133	Strand	-
Start	1	End	355
Name	OJ000108_55.0426.C32.o1.gp	Method	AAT/GAP
Start	1	End	339
GI	8489_1.R1084	Score	606
Exons	1..339		
GI Descrip.	'3135751/emb|CAA06853| 1.0e-38 (AJ006095) 26S protease regulatory subunit 6 [Cicer arietinum]'		
Seq. No.	49437	Seq. ID	OJ000108_55.0426.C32
Gene No.	105133	Strand	-
Start	1	End	355
Name	OJ000108_55.0426.C32.o1.tm	Method	TBLASTX:Maize
Start	124	End	340
GI	none	Score	206
Exons	124..339, 200..340		
Seq. No.	49437	Seq. ID	OJ000108_55.0426.C32
Gene No.	105133	Strand	-

Start	1	End	355
Name	OJ000108_55.0426.C32.o1.tc	Method	TBLASTX:Cress
Start	200	End	342
GI	none	Score	175
Exons	200..340, 205..342, 206..340		

Seq. No.	49437	Seq. ID	OJ000108_55.0426.C32
Gene No.	105133	Strand	-
Start	1	End	355
Name	OJ000108_55.0426.C32.o1.ts	Method	TBLASTX:Soybean
Start	202	End	342
GI	none	Score	121
Exons	202..333, 205..342, 206..340		

Seq. No.	49437	Seq. ID	OJ000108_55.0426.C32
Gene No.	105133	Strand	-
Start	1	End	355
Name	OJ000108_55.0426.C32.o1.gs	Method	GENSCAN
Start	205	End	339
GI	none	Score	.98
Exons	205..339		

Seq. No.	49437	Seq. ID	OJ000108_55.0426.C32
Gene No.	105133	Strand	-
Start	1	End	355
Name	OJ000108_55.0426.C32.o1.np	Method	AAT/NAP
Start	208	End	355
GI	3135751	Score	199
Exons	208..355		
GI Descrip.	(AJ006095) 26S protease regulatory subunit 6 [Cicer arietinum]		

Seq. No.	49438	Seq. ID	OJ000108_55.0426.C33
Gene No.	105134	Strand	-
Start	1	End	717
Name	OJ000108_55.0426.C33.o1.np	Method	AAT/NAP
Start	1	End	717
GI	1709798	Score	336
Exons	1..41, 542..717		
GI Descrip.	26S PROTEASE REGULATORY SUBUNIT 6B HOMOLOG gi|7435738|pir||T07110 vacuolar proton-ATPase chain E - potato gi|1155334|gb|AAB67835.1| (U43398) POTATP1 [Solanum tuberosum]		

Seq. No.	49438	Seq. ID	OJ000108_55.0426.C33
Gene No.	105134	Strand	-
Start	1	End	717
Name	OJ000108_55.0426.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	715
GI	none	Score	68
Exons	1..42, 3..41, 540..710, 542..715, 543..710, 607..711		

Seq. No.	49438	Seq. ID	OJ000108_55.0426.C33
Gene No.	105134	Strand	-
Start	1	End	717
Name	OJ000108_55.0426.C33.o1.ts	Method	TBLASTX:Soybean
Start	1	End	715
GI	none	Score	59
Exons	1..42, 3..41, 540..710, 542..715, 543..707, 613..708		

Seq. No.	49438	Seq. ID	OJ000108_55.0426.C33
Gene No.	105134	Strand	-
Start	1	End	717
Name	OJ000108_55.0426.C33.o1.tc	Method	TBLASTX:Cress
Start	3	End	715
GI	none	Score	196
Exons	3..41, 542..715, 543..704		

Seq. No.	49438	Seq. ID	OJ000108_55.0426.C33
Gene No.	105134	Strand	-
Start	1	End	717
Name	OJ000108_55.0426.C33.o1.gs	Method	GENSCAN
Start	542	End	628
GI	none	Score	.53
Exons	542..628		

Seq. No.	49438	Seq. ID	OJ000108_55.0426.C33
Gene No.	105134	Strand	-
Start	1	End	717
Name	OJ000108_55.0426.C33.o1.tw	Method	TBLASTX:Wheat
Start	542	End	715
GI	none	Score	156
Exons	542..715, 543..704		

Seq. No.	49439	Seq. ID	OJ000108_55.0426.C38
Gene No.	105135	Strand	-
Start	1	End	1550
Name	OJ000108_55.0426.C38.o1.np	Method	AAT/NAP
Start	1	End	1550
GI	218179	Score	260
Exons	1..45, 667..801, 903..1001, 1132..1167, 1516..1550		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi|444339|prf||1906387A H ATPase [Oryza sativa]		

Seq. No.	49439	Seq. ID	OJ000108_55.0426.C38
Gene No.	105135	Strand	-
Start	1	End	1550
Name	OJ000108_55.0426.C38.o1.gs	Method	GENSCAN
Start	278	End	947
GI	none	Score	.6
Exons	278..434, 667..801, 903..947		

Seq. No.	49439	Seq. ID	OJ000108_55.0426.C38
Gene No.	105135	Strand	-
Start	1	End	1550
Name	OJ000108_55.0426.C38.o1.tm	Method	TBLASTX:Maize
Start	662	End	1163
GI	none	Score	51
Exons	662..724, 667..726, 699..797, 700..798, 725..802, 769..801, 879..1004, 903..1004, 1130..1162, 1131..1163		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105136	Strand	+
Start	16	End	374
Name	OJ000108_54.0426.C1.o1.gs	Method	GENSCAN
Start	16	End	374

GI	none	Score	.93
Exons	16..115, 262..374		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+
Start	1854	End	2213
Name	OJ000108_54.0426.C1.o1.gp	Method	AAT/GAP
Start	1767	End	2213
GI	717_2.R1084	Score	680
Exons	1767..1980, 2061..2213		
GI Descrip.	'3264596 9.0e-98 (AF057183) putative tonoplast aquaporin [Zea mays]'		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+
Start	1854	End	2213
Name	OJ000108_54.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	1835	End	2212
GI	none	Score	211
Exons	1835..1990, 1836..1988, 2021..2212, 2059..2211		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+
Start	1854	End	2213
Name	OJ000108_54.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	1845	End	2212
GI	none	Score	180
Exons	1845..2006, 1853..1975, 2021..2212, 2080..2211		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+
Start	1854	End	2213
Name	OJ000108_54.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	1847	End	2212
GI	none	Score	213
Exons	1847..1990, 1851..1988, 2021..2212, 2059..2211		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+
Start	1854	End	2213
Name	OJ000108_54.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	1853	End	2212
GI	none	Score	170
Exons	1853..2005, 1854..2006, 2021..2212, 2065..2211		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+
Start	1854	End	2213
Name	OJ000108_54.0426.C1.o1.np	Method	AAT/NAP
Start	1854	End	2213
GI	7441255	Score	360
Exons	1854..1980, 2061..2213		
GI Descrip.	probable tonoplast aquaporin - maize gi|3264596|gb|AAC24569.1| (AF057183) putative tonoplast aquaporin [Zea mays]		

Seq. No.	49440	Seq. ID	OJ000108_54.0426.C1
Gene No.	105137	Strand	+

Start	1854	End	2213
Name	OJ000108_54.0426.C1.o2.gs	Method	GENSCAN
Start	1854	End	2188
GI	none	Score	.7
Exons	1854..1980, 2061..2188		

Seq. No.	49441	Seq. ID	OJ000108_54.0426.C2
Gene No.	105138	Strand	+
Start	1	End	316
Name	OJ000108_54.0426.C2.o1.gp	Method	AAT/GAP
Start	1	End	316
GI	717_4.R1084	Score	625
Exons	1..316		
GI Descrip.	'3264596 1.0e-38 (AF057183) putative tonoplast aquaporin [Zea mays]'		

Seq. No.	49441	Seq. ID	OJ000108_54.0426.C2
Gene No.	105139	Strand	-
Start	553	End	1359
Name	OJ000108_54.0426.C2.o1.np	Method	AAT/NAP
Start	553	End	1359
GI	1022918	Score	122
Exons	553..1056, 1155..1359		
GI Descrip.	(U38184) ATPase subunit 6 [Trypanosoma cruzi]		

Seq. No.	49442	Seq. ID	OJ000108_54.0426.C4
Gene No.	105140	Strand	+
Start	885	End	1004
Name	OJ000108_54.0426.C4.o1.gs	Method	GENSCAN
Start	885	End	1004
GI	none	Score	.5
Exons	885..1004		

Seq. No.	49442	Seq. ID	OJ000108_54.0426.C4
Gene No.	105141	Strand	+
Start	945	End	1087
Name	OJ000108_54.0426.C4.o1.np	Method	AAT/NAP
Start	945	End	1087
GI	1786142	Score	128
Exons	945..1087		
GI Descrip.	(AB000455) PEThy;ZPT4-1 [Petunia x hybrida]		

Seq. No.	49443	Seq. ID	OJ000108_54.0426.C5
Gene No.	105142	Strand	+
Start	1	End	1183
Name	OJ000108_54.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	1171
GI	1786142	Score	277
Exons	1..345, 554..886, 936..1171		
GI Descrip.	(AB000455) PEThy;ZPT4-1 [Petunia x hybrida]		

Seq. No.	49443	Seq. ID	OJ000108_54.0426.C5
Gene No.	105142	Strand	+
Start	1	End	1183
Name	OJ000108_54.0426.C5.o1.gs	Method	GENSCAN
Start	137	End	1183
GI	none	Score	.63

Exons	137..1183		
Seq. No.	49443	Seq. ID	OJ000108_54.0426.C5
Gene No.	105142	Strand	+
Start	1	End	1183
Name	OJ000108_54.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	212	End	718
GI	none	Score	71
Exons	212..277, 269..316, 577..717, 578..718		
Seq. No.	49444	Seq. ID	OJ000108_54.0426.C6
Gene No.	105143	Strand	+
Start	1	End	926
Name	OJ000108_54.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	926
GI	7340868	Score	195
Exons	1..192, 777..926		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	49445	Seq. ID	OJ000108_54.0426.C7
Gene No.	105144	Strand	-
Start	120	End	388
Name	OJ000108_54.0426.C7.o1.gs	Method	GENSCAN
Start	120	End	388
GI	none	Score	.65
Exons	120..238, 350..388		
Seq. No.	49446	Seq. ID	OJ000108_54.0426.C8
Gene No.	105145	Strand	+
Start	213	End	532
Name	OJ000108_54.0426.C8.o1.gs	Method	GENSCAN
Start	213	End	532
GI	none	Score	.78
Exons	213..532		
Seq. No.	49447	Seq. ID	OJ000108_54.0426.C9
Gene No.	105146	Strand	+
Start	203	End	935
Name	OJ000108_54.0426.C9.o1.gs	Method	GENSCAN
Start	203	End	935
GI	none	Score	.85
Exons	203..449, 493..573, 610..730, 926..935		
Seq. No.	49447	Seq. ID	OJ000108_54.0426.C9
Gene No.	105147	Strand	-
Start	683	End	3171
Name	OJ000108_54.0426.C9.o1.np	Method	AAT/NAP
Start	683	End	3171
GI	4680492	Score	100
Exons	683..755, 1814..2142, 3151..3171		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		
Seq. No.	49447	Seq. ID	OJ000108_54.0426.C9
Gene No.	105147	Strand	-
Start	683	End	3171
Name	OJ000108_54.0426.C9.o2.gs	Method	GENSCAN
Start	2080	End	2485

GI	none	Score	.97
Exons	2080..2093, 2371..2485		

Seq. No.	49447	Seq. ID	OJ000108_54.0426.C9
Gene No.	105147	Strand	-
Start	683	End	3171
Name	OJ000108_54.0426.C9.o1.gp	Method	AAT/GAP
Start	2898	End	3171
GI	568867	Score	263
Exons	2898..3082, 3145..3171		

Seq. No.	49448	Seq. ID	OJ000108_54.0426.C11
Gene No.	105148	Strand	+
Start	164	End	1619
Name	OJ000108_54.0426.C11.o1.gs	Method	GENSCAN
Start	164	End	1619
GI	none	Score	.46
Exons	164..381, 527..604, 709..841, 1240..1619		

Seq. No.	49449	Seq. ID	OJ000108_54.0426.C13
Gene No.	105149	Strand	+
Start	1	End	1251
Name	OJ000108_54.0426.C13.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	7485185	Score	466
Exons	1..509, 610..693, 773..1028, 1062..1243		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245094|emb|CAB10516.1| (Z97343) hypothetical protein [Arabidopsis thaliana] gi|7268487|emb|CAB78738.1| (AL161546) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49449	Seq. ID	OJ000108_54.0426.C13
Gene No.	105149	Strand	+
Start	1	End	1251
Name	OJ000108_54.0426.C13.o1.gs	Method	GENSCAN
Start	344	End	1251
GI	none	Score	.82
Exons	344..509, 591..717, 873..1251		

Seq. No.	49450	Seq. ID	OJ000108_54.0426.C14
Gene No.	105150	Strand	+
Start	52	End	597
Name	OJ000108_54.0426.C14.o1.gs	Method	GENSCAN
Start	52	End	597
GI	none	Score	.91
Exons	52..597		

Seq. No.	49450	Seq. ID	OJ000108_54.0426.C14
Gene No.	105151	Strand	-
Start	1	End	2069
Name	OJ000108_54.0426.C14.o1.np	Method	AAT/NAP
Start	1	End	1676
GI	7485509	Score	97
Exons	1..40, 1598..1676		
GI Descrip.	hypothetical protein F15B8.40 - Arabidopsis thaliana gi|4678270|emb|CAB41178.1| (AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	49450	Seq. ID	OJ000108_54.0426.C14
Gene No.	105151	Strand	-
Start	1	End	2069
Name	OJ000108_54.0426.C14.o2.gs	Method	GENSCAN
Start	856	End	2069
GI	none	Score	.55
Exons	856..926, 1202..1270, 2006..2069		

Seq. No.	49450	Seq. ID	OJ000108_54.0426.C14
Gene No.	105151	Strand	-
Start	1	End	2069
Name	OJ000108_54.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	1621	End	1810
GI	none	Score	135
Exons	1621..1713, 1622..1714, 1702..1803, 1702..1800, 1703..1810, 1704..1802		

Seq. No.	49451	Seq. ID	OJ000108_54.0426.C16
Gene No.	105152	Strand	+
Start	61	End	123
Name	OJ000108_54.0426.C16.o1.gs	Method	GENSCAN
Start	61	End	123
GI	none	Score	.65
Exons	61..123		

Seq. No.	49451	Seq. ID	OJ000108_54.0426.C16
Gene No.	105153	Strand	-
Start	523	End	727
Name	OJ000108_54.0426.C16.o2.gs	Method	GENSCAN
Start	523	End	727
GI	none	Score	.63
Exons	523..727		

Seq. No.	49452	Seq. ID	OJ000108_54.0426.C19
Gene No.	105154	Strand	+
Start	95	End	481
Name	OJ000108_54.0426.C19.o1.gs	Method	GENSCAN
Start	95	End	481
GI	none	Score	.99
Exons	95..481		

Seq. No.	49453	Seq. ID	OJ000108_54.0426.C20
Gene No.	105155	Strand	+
Start	123	End	1064
Name	OJ000108_54.0426.C20.o1.np	Method	AAT/NAP
Start	123	End	1064
GI	7488386	Score	377
Exons	123..186, 403..1064		
GI Descrip.	transcription factor TINY homolog T13E15.5 - Arabidopsis thaliana gi|4895256|gb|AAD32841.1|AC007659_23 (AC007659) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	49453	Seq. ID	OJ000108_54.0426.C20
Gene No.	105155	Strand	+
Start	123	End	1064
Name	OJ000108_54.0426.C20.o1.gs	Method	GENSCAN

Start	483	End	1057
GI	none	Score	.98
Exons	483..1057		

Seq. No.	49453	Seq. ID	OJ000108_54.0426.C20
Gene No.	105155	Strand	+
Start	123	End	1064
Name	OJ000108_54.0426.C20.o1.tc	Method	TBLASTX:Cress
Start	591	End	827
GI	none	Score	326
Exons	591..827, 614..823		

Seq. No.	49453	Seq. ID	OJ000108_54.0426.C20
Gene No.	105155	Strand	+
Start	123	End	1064
Name	OJ000108_54.0426.C20.o1.tm	Method	TBLASTX:Maize
Start	591	End	839
GI	none	Score	290
Exons	591..782, 608..781, 708..839		

Seq. No.	49453	Seq. ID	OJ000108_54.0426.C20
Gene No.	105155	Strand	+
Start	123	End	1064
Name	OJ000108_54.0426.C20.o1.ts	Method	TBLASTX:Soybean
Start	621	End	827
GI	none	Score	322
Exons	621..827, 635..823		

Seq. No.	49453	Seq. ID	OJ000108_54.0426.C20
Gene No.	105155	Strand	+
Start	123	End	1064
Name	OJ000108_54.0426.C20.o1.tw	Method	TBLASTX:Wheat
Start	630	End	820
GI	none	Score	188
Exons	630..800, 632..820		

Seq. No.	49454	Seq. ID	OJ000108_54.0426.C21
Gene No.	105156	Strand	+
Start	121	End	204
Name	OJ000108_54.0426.C21.o1.gs	Method	GENSCAN
Start	121	End	204
GI	none	Score	.45
Exons	121..204		

Seq. No.	49454	Seq. ID	OJ000108_54.0426.C21
Gene No.	105157	Strand	-
Start	3793	End	3974
Name	OJ000108_54.0426.C21.o2.gs	Method	GENSCAN
Start	3793	End	3974
GI	none	Score	.52
Exons	3793..3974		

Seq. No.	49455	Seq. ID	OJ000108_54.0426.C22
Gene No.	105158	Strand	-
Start	964	End	1046
Name	OJ000108_54.0426.C22.o1.gs	Method	GENSCAN
Start	964	End	1046

GI	none	Score	.92
Exons	964..1046		
Seq. No.	49456	Seq. ID	OJ000108_54.0426.C23
Gene No.	105159	Strand	+
Start	336	End	751
Name	OJ000108_54.0426.C23.o1.gs	Method	GENSCAN
Start	336	End	751
GI	none	Score	.57
Exons	336..443, 638..751		
Seq. No.	49457	Seq. ID	OJ000108_54.0426.C24
Gene No.	105160	Strand	+
Start	1	End	115
Name	OJ000108_54.0426.C24.o1.gp	Method	AAT/GAP
Start	1	End	115
GI	4879971	Score	116
Exons	1..115		
Seq. No.	49457	Seq. ID	OJ000108_54.0426.C24
Gene No.	105161	Strand	+
Start	1545	End	3044
Name	OJ000108_54.0426.C24.o1.np	Method	AAT/NAP
Start	1545	End	3044
GI	6686395	Score	157
Exons	1545..1646, 2565..2655, 2760..3044		
GI Descrip.	(AC007234) F1E22.6 [Arabidopsis thaliana]		
Seq. No.	49457	Seq. ID	OJ000108_54.0426.C24
Gene No.	105161	Strand	+
Start	1545	End	3044
Name	OJ000108_54.0426.C24.o2.gp	Method	AAT/GAP
Start	2320	End	2927
GI	28997_1.R1084	Score	851
Exons	2320..2655, 2760..2927		
GI Descrip.	'3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]'		
Seq. No.	49457	Seq. ID	OJ000108_54.0426.C24
Gene No.	105161	Strand	+
Start	1545	End	3044
Name	OJ000108_54.0426.C24.o1.tm	Method	TBLASTX:Maize
Start	2400	End	2877
GI	none	Score	48
Exons	2400..2429, 2401..2433, 2429..2578, 2442..2510, 2634..2657, 2759..2875, 2774..2875, 2776..2877		
Seq. No.	49457	Seq. ID	OJ000108_54.0426.C24
Gene No.	105161	Strand	+
Start	1545	End	3044
Name	OJ000108_54.0426.C24.o1.gs	Method	GENSCAN
Start	2412	End	2813
GI	none	Score	.91
Exons	2412..2655, 2692..2813		

Seq. No.	49458	Seq. ID	OJ000108_54.0426.C25
Gene No.	105162	Strand	+
Start	1539	End	2624
Name	OJ000108_54.0426.C25.o1.gs	Method	GENSCAN
Start	1539	End	2624
GI	none	Score	.61
Exons	1539..1596, 1724..1867, 1884..2148, 2162..2245, 2507..2624		

Seq. No.	49459	Seq. ID	OJ000108_54.0426.C26
Gene No.	105163	Strand	+
Start	243	End	315
Name	OJ000108_54.0426.C26.o1.gs	Method	GENSCAN
Start	243	End	315
GI	none	Score	.55
Exons	243..315		

Seq. No.	49460	Seq. ID	OJ000108_54.0426.C28
Gene No.	105164	Strand	+
Start	98	End	655
Name	OJ000108_54.0426.C28.o1.gs	Method	GENSCAN
Start	98	End	655
GI	none	Score	.49
Exons	98..146, 366..655		

Seq. No.	49461	Seq. ID	OJ000108_54.0426.C32
Gene No.	105165	Strand	-
Start	309	End	1094
Name	OJ000108_54.0426.C32.o1.gs	Method	GENSCAN
Start	309	End	1094
GI	none	Score	.82
Exons	309..522, 1048..1094		

Seq. No.	49462	Seq. ID	OJ000108_54.0426.C33
Gene No.	105166	Strand	+
Start	1068	End	1206
Name	OJ000108_54.0426.C33.o1.gs	Method	GENSCAN
Start	1068	End	1206
GI	none	Score	.93
Exons	1068..1206		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105167	Strand	+
Start	2633	End	3908
Name	OJ000108_54.0426.C34.o3.np	Method	AAT/NAP
Start	2633	End	3908
GI	7523512	Score	101
Exons	2633..2685, 3784..3908		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105168	Strand	-
Start	1	End	2775
Name	OJ000108_54.0426.C34.o1.np	Method	AAT/NAP
Start	1	End	2775
GI	7228457	Score	4184
Exons	1..349, 413..2347, 2409..2775		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105169	Strand	-
Start	3007	End	4343
Name	OJ000108_54.0426.C34.o1.tm	Method	TBLASTX:Maize
Start	1	End	175
GI	none	Score	84
Exons	1..102, 3..101, 104..175		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105169	Strand	-
Start	3007	End	4343
Name	OJ000108_54.0426.C34.o3.tw	Method	TBLASTX:Wheat
Start	1	End	220
GI	none	Score	99
Exons	1..105, 3..104, 104..220, 108..218		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105169	Strand	-
Start	3007	End	4343
Name	OJ000108_54.0426.C34.o1.tw	Method	TBLASTX:Wheat
Start	221	End	992
GI	none	Score	161
Exons	221..418, 222..365, 533..991, 537..797, 855..992		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105169	Strand	-
Start	3007	End	4343
Name	OJ000108_54.0426.C34.o2.tw	Method	TBLASTX:Wheat
Start	1729	End	2121
GI	none	Score	96
Exons	1729..1986, 1763..2002, 1969..2067, 1970..2062, 2074..2121		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105169	Strand	-
Start	3007	End	4343
Name	OJ000108_54.0426.C34.o2.tm	Method	TBLASTX:Maize
Start	1831	End	2116
GI	none	Score	107
Exons	1831..2079, 1832..2116		

Seq. No.	49463	Seq. ID	OJ000108_54.0426.C34
Gene No.	105169	Strand	-
Start	3007	End	4343
Name	OJ000108_54.0426.C34.o2.np	Method	AAT/NAP
Start	3007	End	4343
GI	5042454	Score	214
Exons	3007..3060, 3314..3495, 4173..4343		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49464	Seq. ID	OJ000108_54.0426.C35
Gene No.	105170	Strand	+
Start	1	End	1386
Name	OJ000108_54.0426.C35.o1.np	Method	AAT/NAP
Start	1	End	1386

GI	5803259	Score	2013
Exons	1..851, 947..1386		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	49464	Seq. ID	OJ000108_54.0426.C35
Gene No.	105170	Strand	+
Start	1	End	1386
Name	OJ000108_54.0426.C35.o1.gs	Method	GENSCAN
Start	52	End	1361
GI	none	Score	.99
Exons	52..851, 947..1361		

Seq. No.	49465	Seq. ID	OJ000108_54.0426.C36
Gene No.	105171	Strand	+
Start	1	End	616
Name	OJ000108_54.0426.C36.o1.np	Method	AAT/NAP
Start	1	End	616
GI	5803259	Score	950
Exons	1..616		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	49465	Seq. ID	OJ000108_54.0426.C36
Gene No.	105172	Strand	-
Start	1245	End	2466
Name	OJ000108_54.0426.C36.o2.gs	Method	GENSCAN
Start	1245	End	2422
GI	none	Score	.98
Exons	1245..2422		

Seq. No.	49465	Seq. ID	OJ000108_54.0426.C36
Gene No.	105172	Strand	-
Start	1245	End	2466
Name	OJ000108_54.0426.C36.o2.np	Method	AAT/NAP
Start	1248	End	2466
GI	7228457	Score	2043
Exons	1248..2466		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49465	Seq. ID	OJ000108_54.0426.C36
Gene No.	105172	Strand	-
Start	1245	End	2466
Name	OJ000108_54.0426.C36.o2.tw	Method	TBLASTX:Wheat
Start	1257	End	1859
GI	none	Score	81
Exons	1257..1382, 1261..1383, 1575..1859, 1576..1719, 1756..1854, 1784..1855		

Seq. No.	49465	Seq. ID	OJ000108_54.0426.C36
Gene No.	105172	Strand	-
Start	1245	End	2466
Name	OJ000108_54.0426.C36.o1.tw	Method	TBLASTX:Wheat
Start	1860	End	2241
GI	none	Score	163
Exons	1860..2240, 1891..2139, 1899..2240, 2185..2241		

Seq. No.	49465	Seq. ID	OJ000108_54.0426.C36
Gene No.	105172	Strand	-
Start	1245	End	2466
Name	OJ000108_54.0426.C36.o1.tm	Method	TBLASTX:Maize
Start	2016	End	2378
GI	none	Score	198
Exons	2016..2063, 2055..2378, 2068..2349		

Seq. No.	49466	Seq. ID	OJ000108_54.0426.C40
Gene No.	105173	Strand	+
Start	425	End	1222
Name	OJ000108_54.0426.C40.o1.np	Method	AAT/NAP
Start	425	End	1222
GI	6907086	Score	993
Exons	425..1222		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49466	Seq. ID	OJ000108_54.0426.C40
Gene No.	105173	Strand	+
Start	425	End	1222
Name	OJ000108_54.0426.C40.o1.gs	Method	GENSCAN
Start	685	End	1125
GI	none	Score	.51
Exons	685..1125		

Seq. No.	49467	Seq. ID	OJ000108_54.0426.C41
Gene No.	105174	Strand	+
Start	1	End	774
Name	OJ000108_54.0426.C41.o1.np	Method	AAT/NAP
Start	1	End	774
GI	1076486	Score	170
Exons	1..53, 480..557, 667..774		
GI Descrip.	cim1 protein - soybean gi|555616 (U03860) cytokinin induced message [Glycine max]		

Seq. No.	49467	Seq. ID	OJ000108_54.0426.C41
Gene No.	105174	Strand	+
Start	1	End	774
Name	OJ000108_54.0426.C41.o1.gs	Method	GENSCAN
Start	392	End	631
GI	none	Score	.72
Exons	392..631		

Seq. No.	49467	Seq. ID	OJ000108_54.0426.C41
Gene No.	105174	Strand	+
Start	1	End	774
Name	OJ000108_54.0426.C41.o1.tm	Method	TBLASTX:Maize
Start	469	End	773
GI	none	Score	99
Exons	469..558, 470..538, 497..559, 636..770, 662..772, 666..773		

Seq. No.	49467	Seq. ID	OJ000108_54.0426.C41
Gene No.	105174	Strand	+
Start	1	End	774
Name	OJ000108_54.0426.C41.o1.ts	Method	TBLASTX:Soybean
Start	496	End	773
GI	none	Score	62

Exons	496..558, 497..541, 662..772, 666..773		
Seq. No.	49468	Seq. ID	OJ000108_54.0426.C44
Gene No.	105175	Strand	-
Start	409	End	684
Name	OJ000108_54.0426.C44.o1.gs	Method	GENSCAN
Start	409	End	684
GI	none	Score	.45
Exons	409..520, 560..684		
Seq. No.	49469	Seq. ID	OJ000108_54.0426.C45
Gene No.	105176	Strand	+
Start	68	End	252
Name	OJ000108_54.0426.C45.o1.gs	Method	GENSCAN
Start	68	End	252
GI	none	Score	.98
Exons	68..252		
Seq. No.	49469	Seq. ID	OJ000108_54.0426.C45
Gene No.	105177	Strand	-
Start	555	End	719
Name	OJ000108_54.0426.C45.o2.gs	Method	GENSCAN
Start	555	End	719
GI	none	Score	.87
Exons	555..719		
Seq. No.	49470	Seq. ID	OJ000108_54.0426.C46
Gene No.	105178	Strand	+
Start	647	End	1139
Name	OJ000108_54.0426.C46.o1.np	Method	AAT/NAP
Start	647	End	1139
GI	7288000	Score	150
Exons	647..747, 869..1139		
GI Descrip.	(AL138646) putative protein [Arabidopsis thaliana]		
Seq. No.	49470	Seq. ID	OJ000108_54.0426.C46
Gene No.	105179	Strand	-
Start	1687	End	1928
Name	OJ000108_54.0426.C46.o1.ts	Method	TBLASTX:Soybean
Start	634	End	983
GI	none	Score	156
Exons	634..750, 647..751, 867..908, 921..983		
Seq. No.	49470	Seq. ID	OJ000108_54.0426.C46
Gene No.	105179	Strand	-
Start	1687	End	1928
Name	OJ000108_54.0426.C46.o2.gs	Method	GENSCAN
Start	1687	End	1928
GI	none	Score	.9
Exons	1687..1928		
Seq. No.	49471	Seq. ID	OJ000108_54.0426.C47
Gene No.	105180	Strand	+
Start	383	End	449
Name	OJ000108_54.0426.C47.o1.gs	Method	GENSCAN
Start	383	End	449
GI	none	Score	.5

Exons	383..449		
Seq. No.	49472	Seq. ID	OJ000108_54.0426.C48
Gene No.	105181	Strand	+
Start	610	End	1411
Name	OJ000108_54.0426.C48.o1.np	Method	AAT/NAP
Start	610	End	1411
GI	6721547	Score	92
Exons	610..694, 1308..1411		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	49472	Seq. ID	OJ000108_54.0426.C48
Gene No.	105182	Strand	-
Start	949	End	1130
Name	OJ000108_54.0426.C48.o1.gp	Method	AAT/GAP
Start	949	End	1130
GI	5455384	Score	243
Exons	949..1130		
GI Descrip.	3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]		
Seq. No.	49473	Seq. ID	OJ000108_54.0426.C49
Gene No.	105183	Strand	+
Start	454	End	686
Name	OJ000108_54.0426.C49.o1.gs	Method	GENSCAN
Start	454	End	686
GI	none	Score	.64
Exons	454..686		
Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105184	Strand	+
Start	1	End	862
Name	OJ000108_52.0426.C1.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	101153_1.R1084	Score	412
Exons	1..258		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105184	Strand	+
Start	1	End	862
Name	OJ000108_52.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	862
GI	6063554	Score	285
Exons	1..55, 688..862		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105184	Strand	+
Start	1	End	862
Name	OJ000108_52.0426.C1.o2.gp	Method	AAT/GAP
Start	274	End	702

GI	2428185	Score	648
Exons	274..702		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105185	Strand	+
Start	1224	End	1489
Name	OJ000108_52.0426.C1.o4.gp	Method	AAT/GAP
Start	1224	End	1489
GI	61605_3.R1084	Score	375
Exons	1224..1489		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105186	Strand	-
Start	1012	End	4595
Name	OJ000108_52.0426.C1.o2.np	Method	AAT/NAP
Start	1012	End	4595
GI	6983860	Score	448
Exons	1012..1091, 3707..3844, 4051..4595		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105186	Strand	-
Start	1012	End	4595
Name	OJ000108_52.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	4187	End	4486
GI	none	Score	70
Exons	4187..4486, 4383..4472		

Seq. No.	49474	Seq. ID	OJ000108_52.0426.C1
Gene No.	105186	Strand	-
Start	1012	End	4595
Name	OJ000108_52.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	4190	End	4486
GI	none	Score	107
Exons	4190..4486, 4286..4474		

Seq. No.	49475	Seq. ID	OJ000108_52.0426.C2
Gene No.	105187	Strand	+
Start	1	End	1938
Name	OJ000108_52.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	1938
GI	4680186	Score	240
Exons	1..24, 1734..1938		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49475	Seq. ID	OJ000108_52.0426.C2
Gene No.	105188	Strand	-
Start	1486	End	1867
Name	OJ000108_52.0426.C2.o1.gp	Method	AAT/GAP
Start	1486	End	1867
GI	uC-osflcyp033a04b1	Score	663
Exons	1486..1867		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	49475	Seq. ID	OJ000108_52.0426.C2
Gene No.	105189	Strand	-
Start	2334	End	3517
Name	OJ000108_52.0426.C2.o2.np	Method	AAT/NAP
Start	2334	End	3517
GI	6907087	Score	645
Exons	2334..2435, 2987..3517		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49475	Seq. ID	OJ000108_52.0426.C2
Gene No.	105189	Strand	-
Start	2334	End	3517
Name	OJ000108_52.0426.C2.o2.gs	Method	GENSCAN
Start	2862	End	3437
GI	none	Score	.6
Exons	2862..3437		
Seq. No.	49476	Seq. ID	OJ000108_52.0426.C4
Gene No.	105190	Strand	+
Start	627	End	748
Name	OJ000108_52.0426.C4.o1.gs	Method	GENSCAN
Start	627	End	748
GI	none	Score	.66
Exons	627..748		
Seq. No.	49477	Seq. ID	OJ000108_52.0426.C5
Gene No.	105191	Strand	+
Start	6	End	338
Name	OJ000108_52.0426.C5.o1.gs	Method	GENSCAN
Start	6	End	338
GI	none	Score	.65
Exons	6..33, 271..338		
Seq. No.	49478	Seq. ID	OJ000108_52.0426.C6
Gene No.	105192	Strand	+
Start	217	End	748
Name	OJ000108_52.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	216	End	396
GI	none	Score	170
Exons	216..395, 216..395, 217..396		
Seq. No.	49478	Seq. ID	OJ000108_52.0426.C6
Gene No.	105192	Strand	+
Start	217	End	748
Name	OJ000108_52.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	216	End	396
GI	none	Score	154
Exons	216..395, 216..395, 217..396		
Seq. No.	49478	Seq. ID	OJ000108_52.0426.C6
Gene No.	105192	Strand	+
Start	217	End	748

Name	OJ000108_52.0426.C6.o1.gp	Method	AAT/GAP
Start	217	End	398
GI	17442_1.R1084	Score	314
Exons	217..398		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	49478	Seq. ID	OJ000108_52.0426.C6
Gene No.	105192	Strand	+
Start	217	End	748
Name	OJ000108_52.0426.C6.o1.gs	Method	GENSCAN
Start	219	End	393
GI	none	Score	.93
Exons	219..393		

Seq. No.	49478	Seq. ID	OJ000108_52.0426.C6
Gene No.	105192	Strand	+
Start	217	End	748
Name	OJ000108_52.0426.C6.o1.np	Method	AAT/NAP
Start	222	End	748
GI	7428336	Score	63
Exons	222..399, 681..748		
GI Descrip.	diaminopimelate decarboxylase (EC 4.1.1.20) - Archaeoglobus fulgidus gi|2649806|gb|AAB90438.1| (AE001049) diaminopimelate decarboxylase (lysA) [Archaeoglobus fulgidus]		

Seq. No.	49479	Seq. ID	OJ000108_52.0426.C7
Gene No.	105193	Strand	-
Start	1382	End	1474
Name	OJ000108_52.0426.C7.o1.gs	Method	GENSCAN
Start	1382	End	1474
GI	none	Score	.81
Exons	1382..1474		

Seq. No.	49480	Seq. ID	OJ000108_52.0426.C8
Gene No.	105194	Strand	+
Start	515	End	2044
Name	OJ000108_52.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	499	End	1859
GI	none	Score	181
Exons	499..684, 506..679, 516..680, 517..690, 827..1009, 828..1073, 828..1013, 1327..1446, 1328..1351, 1349..1450, 1360..1467, 1364..1456, 1517..1609, 1518..1616, 1518..1610, 1520..1621, 1555..1620, 1729..1818, 1734..1823, 1737..1859		

Seq. No.	49480	Seq. ID	OJ000108_52.0426.C8
Gene No.	105194	Strand	+
Start	515	End	2044
Name	OJ000108_52.0426.C8.o1.gp	Method	AAT/GAP
Start	515	End	2044
GI	17442_1.R1084	Score	1572
Exons	515..678, 828..1013, 1331..1450, 1520..1609, 1734..2044		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas		

aeruginosa'

Seq. No.	49480	Seq. ID	OJ000108_52.0426.C8
Gene No.	105194	Strand	+
Start	515	End	2044
Name	OJ000108_52.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	516	End	1816
GI	none	Score	73
Exons	516..680, 516..680, 517..690, 827..1012, 828..1013, 828..1013, 1327..1449, 1328..1357, 1358..1450, 1517..1609, 1518..1619, 1518..1610, 1520..1621, 1555..1620, 1709..1816, 1734..1811		

Seq. No.	49480	Seq. ID	OJ000108_52.0426.C8
Gene No.	105194	Strand	+
Start	515	End	2044
Name	OJ000108_52.0426.C8.o1.gs	Method	GENSCAN
Start	517	End	1820
GI	none	Score	.93
Exons	517..678, 828..1013, 1331..1450, 1520..1609, 1734..1820		

Seq. No.	49480	Seq. ID	OJ000108_52.0426.C8
Gene No.	105194	Strand	+
Start	515	End	2044
Name	OJ000108_52.0426.C8.o1.np	Method	AAT/NAP
Start	870	End	1811
GI	6562332	Score	556
Exons	870..1013, 1331..1450, 1520..1609, 1734..1811		
GI Descrip.	(AJ249960) diaminopimelate decarboxylase [Arabidopsis thaliana]		

Seq. No.	49480	Seq. ID	OJ000108_52.0426.C8
Gene No.	105194	Strand	+
Start	515	End	2044
Name	OJ000108_52.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	933	End	1811
GI	none	Score	56
Exons	933..977, 978..1013, 1327..1428, 1328..1357, 1349..1429, 1517..1609, 1518..1610, 1520..1621, 1555..1620, 1715..1810, 1734..1811		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105195	Strand	+
Start	1	End	193
Name	OJ000108_52.0426.C12.o1.np	Method	AAT/NAP
Start	1	End	193
GI	4416301	Score	104
Exons	1..193		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o3.np	Method	AAT/NAP
Start	280	End	1677
GI	6630685	Score	1378
Exons	280..1290, 1410..1677		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o3.tm	Method	TBLASTX:Maize
Start	363	End	486
GI	none	Score	177
Exons	363..485, 364..486		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o2.np	Method	AAT/NAP
Start	364	End	1677
GI	7489803	Score	1223
Exons	364..1352, 1440..1677		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	364	End	822
GI	none	Score	154
Exons	364..498, 372..479, 510..536, 511..534, 534..821, 538..822		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o1.gs	Method	GENSCAN
Start	430	End	1537
GI	none	Score	.4
Exons	430..846, 1017..1144, 1184..1320, 1335..1537		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	486	End	1178
GI	none	Score	106
Exons	486..560, 487..558, 558..986, 559..903, 896..1135, 897..1139, 898..1173, 900..1178		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	667	End	1127
GI	none	Score	176
Exons	667..876, 687..872, 900..977, 1026..1127		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o2.tw	Method	TBLASTX:Wheat

Start	909	End	1139
GI	none	Score	100
Exons	909..980, 986..1135, 999..1139, 1023..1139		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o2.tm	Method	TBLASTX:Maize
Start	1462	End	1677
GI	none	Score	285
Exons	1462..1677, 1476..1676		

Seq. No.	49481	Seq. ID	OJ000108_52.0426.C12
Gene No.	105196	Strand	+
Start	280	End	1677
Name	OJ000108_52.0426.C12.o2.ts	Method	TBLASTX:Soybean
Start	1500	End	1674
GI	5509260	Score	65
Exons	1500..1550, 1501..1674, 1501..1662		
GI Descrip.	-		

Seq. No.	49482	Seq. ID	OJ000108_52.0426.C14
Gene No.	105197	Strand	+
Start	354	End	945
Name	OJ000108_52.0426.C14.o1.gs	Method	GENSCAN
Start	354	End	945
GI	none	Score	.69
Exons	354..472, 615..658, 817..945		

Seq. No.	49482	Seq. ID	OJ000108_52.0426.C14
Gene No.	105198	Strand	-
Start	1035	End	1342
Name	OJ000108_52.0426.C14.o1.np	Method	AAT/NAP
Start	1035	End	1342
GI	7293084	Score	179
Exons	1035..1342		
GI Descrip.	(AE003499) CG12706 gene product [Drosophila melanogaster]		

Seq. No.	49483	Seq. ID	OJ000108_52.0426.C15
Gene No.	105199	Strand	-
Start	467	End	639
Name	OJ000108_52.0426.C15.o1.gs	Method	GENSCAN
Start	467	End	639
GI	none	Score	.65
Exons	467..639		

Seq. No.	49484	Seq. ID	OJ000108_52.0426.C17
Gene No.	105200	Strand	+
Start	1	End	1367
Name	OJ000108_52.0426.C17.o1.np	Method	AAT/NAP
Start	1	End	1367
GI	7228450	Score	123
Exons	1..51, 97..285, 386..462, 1327..1367		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49484	Seq. ID	OJ000108_52.0426.C17
Gene No.	105201	Strand	+

Start	1344	End	2128
Name	OJ000108_52.0426.C17.o1.gs	Method	GENSCAN
Start	1344	End	2128
GI	none	Score	.84
Exons	1344..1446, 1847..2128		

Seq. No.	49484	Seq. ID	OJ000108_52.0426.C17
Gene No.	105202	Strand	-
Start	1686	End	2277
Name	OJ000108_52.0426.C17.o2.np	Method	AAT/NAP
Start	1686	End	2277
GI	119110	Score	108
Exons	1686..2277		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105203	Strand	+
Start	6410	End	8458
Name	OJ000108_52.0426.C19.o1.gp	Method	AAT/GAP
Start	6361	End	7191
GI	uC-osf1M202095g06b1	Score	824
Exons	6361..6455, 6729..7011, 7097..7191		
GI Descrip.	'4914429/emb|CAB43632.1| 2.0e-29 (AL050351) SEC14-like protein [Arabidopsis thaliana]'		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105203	Strand	+
Start	6410	End	8458
Name	OJ000108_52.0426.C19.o2.gs	Method	GENSCAN
Start	6410	End	8248
GI	none	Score	.8
Exons	6410..6455, 6729..6925, 7300..7566, 7651..7728, 7825..7926, 8004..8053, 8137..8248		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105203	Strand	+
Start	6410	End	8458
Name	OJ000108_52.0426.C19.o3.np	Method	AAT/NAP
Start	6722	End	8458
GI	4567235	Score	1075
Exons	6722..7011, 7097..7196, 7300..7566, 7651..7728, 7825..7926, 8004..8053, 8137..8230, 8333..8458		
GI Descrip.	(AC007119) putative phosphatidylinositol/phophatidylcholine transfer protein [Arabidopsis thaliana]		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105203	Strand	+
Start	6410	End	8458
Name	OJ000108_52.0426.C19.o2.gp	Method	AAT/GAP
Start	7273	End	7721
GI	LIB3434-045-P1-K1-E12	Score	595
Exons	7273..7566, 7652..7721		
GI Descrip.	'4874285/gb|AAD31348.1|AC007212_4 6.0e-49 (AC007212) putative phosphatidylinositol/phophatidylcholine transfer protein		

[Arabidopsis thaliana]'

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105204	Strand	-
Start	52	End	5767
Name	OJ000108_52.0426.C19.o2.np	Method	AAT/NAP
Start	52	End	4625
GI	5042463	Score	184
Exons	52..87, 1812..1936, 1989..2143, 2808..2993, 4456..4625		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105204	Strand	-
Start	52	End	5767
Name	OJ000108_52.0426.C19.o1.gs	Method	GENSCAN
Start	994	End	5767
GI	none	Score	.65
Exons	994..1769, 1903..1936, 2809..3004, 3264..3502, 3933..4155, 5389..5549, 5636..5767		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105204	Strand	-
Start	52	End	5767
Name	OJ000108_52.0426.C19.o1.np	Method	AAT/NAP
Start	1153	End	1803
GI	7248393	Score	648
Exons	1153..1803		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105205	Strand	
Start	6410	End	8440
Name	OJ000108_52.0426.C19.o1.tm	Method	TBLASTX:Maize
Start	6410	End	8440
GI	none	Score	63
Exons	6410..6454, 6699..6782, 6715..6900, 6716..7012, 6733..7014, 6762..7010, 7094..7198, 7095..7196, 7099..7197, 7105..7203, 7292..7444, 7297..7566, 7297..7566, 7641..7727, 7650..7715, 7651..7734, 7822..7929, 7824..7928, 7989..8057, 8004..8051, 8125..8229, 8132..8233, 8327..8404, 8333..8416, 8402..8440		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105205	Strand	
Start	6410	End	8440
Name	OJ000108_52.0426.C19.o1.ts	Method	TBLASTX:Soybean
Start	6757	End	8239
GI	none	Score	61
Exons	6757..6849, 6757..6864, 6845..7012, 6894..6944, 7094..7189, 7095..7196, 7291..7377, 7348..7566, 7360..7566, 7362..7574, 7368..7568, 7639..7734, 7684..7752, 7822..7929, 7824..7928, 8000..8131, 8004..8051, 8125..8175, 8132..8176, 8161..8226, 8162..8239		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105205	Strand	
Start	6410	End	8440
Name	OJ000108_52.0426.C19.o3.tc	Method	TBLASTX:Cress

Start	6772	End	7157
GI	none	Score	51
Exons	6772..6855, 6778..6849, 6860..7012, 6878..7012, 7094..7153, 7095..7157, 7096..7155		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105205	Strand	
Start	6410	End	8440
Name	OJ000108_52.0426.C19.o1.tc	Method	TBLASTX:Cress
Start	7160	End	7541
GI	none	Score	49
Exons	7160..7198, 7161..7196, 7292..7390, 7297..7539, 7297..7395, 7335..7541		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105205	Strand	
Start	6410	End	8440
Name	OJ000108_52.0426.C19.o1.tw	Method	TBLASTX:Wheat
Start	7321	End	8048
GI	none	Score	284
Exons	7321..7566, 7335..7571, 7350..7565, 7651..7752, 7660..7746, 7822..7929, 7823..7933, 7824..7928, 8004..8048		

Seq. No.	49485	Seq. ID	OJ000108_52.0426.C19
Gene No.	105205	Strand	
Start	6410	End	8440
Name	OJ000108_52.0426.C19.o2.tc	Method	TBLASTX:Cress
Start	7822	End	8239
GI	none	Score	165
Exons	7822..7929, 7836..7928, 8004..8048, 8125..8160, 8135..8173, 8161..8229, 8162..8239		

Seq. No.	49486	Seq. ID	OJ000108_52.0426.C20
Gene No.	105206	Strand	+
Start	1	End	505
Name	OJ000108_52.0426.C20.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	none	Score	434
Exons	1..241		

Seq. No.	49486	Seq. ID	OJ000108_52.0426.C20
Gene No.	105206	Strand	+
Start	1	End	505
Name	OJ000108_52.0426.C20.o1.gs	Method	GENSCAN
Start	1	End	493
GI	none	Score	.99
Exons	1..261, 419..493		

Seq. No.	49486	Seq. ID	OJ000108_52.0426.C20
Gene No.	105206	Strand	+
Start	1	End	505
Name	OJ000108_52.0426.C20.o1.np	Method	AAT/NAP
Start	1	End	505
GI	4006913	Score	192
Exons	1..261, 419..505		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana] gi|7270597|emb|CAB80315.1| (AL161589) hypothetical protein		

[Arabidopsis thaliana]

Seq. No.	49486	Seq. ID	OJ000108_52.0426.C20
Gene No.	105206	Strand	+
Start	1	End	505
Name	OJ000108_52.0426.C20.o1.tm	Method	TBLASTX:Maize
Start	16	End	469
GI	none	Score	203
Exons	16..261, 35..250, 45..269, 69..266, 88..357, 416..469, 421..468		

Seq. No.	49486	Seq. ID	OJ000108_52.0426.C20
Gene No.	105206	Strand	+
Start	1	End	505
Name	OJ000108_52.0426.C20.o1.tw	Method	TBLASTX:Wheat
Start	114	End	466
GI	none	Score	165
Exons	114..266, 115..309, 124..261, 138..269, 416..466, 418..465		

Seq. No.	49487	Seq. ID	OJ000108_52.0426.C22
Gene No.	105207	Strand	+
Start	1	End	2051
Name	OJ000108_52.0426.C22.o1.np	Method	AAT/NAP
Start	1	End	1554
GI	4680186	Score	202
Exons	1..27, 1335..1554		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49487	Seq. ID	OJ000108_52.0426.C22
Gene No.	105207	Strand	+
Start	1	End	2051
Name	OJ000108_52.0426.C22.o1.gs	Method	GENSCAN
Start	253	End	2051
GI	none	Score	.6
Exons	253..358, 1106..1256, 1763..1772, 1947..2051		

Seq. No.	49487	Seq. ID	OJ000108_52.0426.C22
Gene No.	105208	Strand	-
Start	1944	End	3680
Name	OJ000108_52.0426.C22.o2.np	Method	AAT/NAP
Start	1944	End	3680
GI	6907087	Score	702
Exons	1944..2045, 2583..3285, 3317..3496, 3567..3680		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49488	Seq. ID	OJ000108_52.0426.C23
Gene No.	105209	Strand	-
Start	558	End	824
Name	OJ000108_52.0426.C23.o1.gs	Method	GENSCAN
Start	558	End	824
GI	none	Score	.61
Exons	558..674, 771..824		

Seq. No.	49489	Seq. ID	OJ000108_52.0426.C24
Gene No.	105210	Strand	-
Start	646	End	1034

Name	OJ000108_52.0426.C24.o1.tm	Method	TBLASTX:Maize
Start	609	End	1034
GI	none	Score	66
Exons	609..677, 816..896, 816..902, 817..897, 823..903, 937..1032, 954..1034, 956..1033		

Seq. No.	49489	Seq. ID	OJ000108_52.0426.C24
Gene No.	105210	Strand	-
Start	646	End	1034
Name	OJ000108_52.0426.C24.o1.gs	Method	GENSCAN
Start	646	End	881
GI	none	Score	.62
Exons	646..674, 785..881		

Seq. No.	49490	Seq. ID	OJ000108_52.0426.C25
Gene No.	105211	Strand	-
Start	211	End	391
Name	OJ000108_52.0426.C25.o1.gs	Method	GENSCAN
Start	211	End	391
GI	none	Score	.83
Exons	211..391		

Seq. No.	49491	Seq. ID	OJ000108_52.0426.C27
Gene No.	105212	Strand	-
Start	446	End	521
Name	OJ000108_52.0426.C27.o1.gp	Method	AAT/GAP
Start	446	End	521
GI	none	Score	93
Exons	446..521		

Seq. No.	49492	Seq. ID	OJ000108_52.0426.C28
Gene No.	105213	Strand	+
Start	1	End	1038
Name	OJ000108_52.0426.C28.o1.np	Method	AAT/NAP
Start	1	End	565
GI	6742729	Score	784
Exons	1..565		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	49492	Seq. ID	OJ000108_52.0426.C28
Gene No.	105213	Strand	+
Start	1	End	1038
Name	OJ000108_52.0426.C28.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1038
GI	none	Score	253
Exons	1..216, 3..251, 3..212, 32..250, 242..634, 243..650, 622..684, 648..686, 648..689, 667..690, 692..829, 696..755, 762..791, 788..856, 793..840, 796..876, 797..877, 801..878, 882..920, 888..947, 898..963, 928..1038, 978..1034		

Seq. No.	49492	Seq. ID	OJ000108_52.0426.C28
Gene No.	105213	Strand	+
Start	1	End	1038
Name	OJ000108_52.0426.C28.o1.tc	Method	TBLASTX:Cress
Start	21	End	468
GI	none	Score	90
Exons	21..161, 21..212, 25..216, 25..222, 32..280, 242..433, 243..446,		

292..468, 318..467

Seq. No.	49492	Seq. ID	OJ000108_52.0426.C28
Gene No.	105213	Strand	+
Start	1	End	1038
Name	OJ000108_52.0426.C28.o1.gs	Method	GENSCAN
Start	67	End	990
GI	none	Score	.41
Exons	67..213, 534..722, 847..990		

Seq. No.	49493	Seq. ID	OJ000108_52.0426.C29
Gene No.	105214	Strand	+
Start	311	End	818
Name	OJ000108_52.0426.C29.o1.gs	Method	GENSCAN
Start	311	End	818
GI	none	Score	.6
Exons	311..410, 629..818		

Seq. No.	49493	Seq. ID	OJ000108_52.0426.C29
Gene No.	105215	Strand	+
Start	2067	End	2391
Name	OJ000108_52.0426.C29.o2.gs	Method	GENSCAN
Start	2067	End	2391
GI	none	Score	.49
Exons	2067..2391		

Seq. No.	49494	Seq. ID	OJ000108_52.0426.C31
Gene No.	105216	Strand	+
Start	365	End	1040
Name	OJ000108_52.0426.C31.o1.np	Method	AAT/NAP
Start	365	End	1040
GI	5852180	Score	105
Exons	365..554, 880..1040		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49494	Seq. ID	OJ000108_52.0426.C31
Gene No.	105217	Strand	-
Start	490	End	1393
Name	OJ000108_52.0426.C31.o1.gs	Method	GENSCAN
Start	490	End	1393
GI	none	Score	.51
Exons	490..854, 954..1066, 1338..1393		

Seq. No.	49495	Seq. ID	OJ000108_52.0426.C32
Gene No.	105218	Strand	+
Start	290	End	2330
Name	OJ000108_52.0426.C32.o1.np	Method	AAT/NAP
Start	290	End	1684
GI	7523667	Score	47
Exons	290..426, 1535..1684		
GI Descrip.	(AC006423) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49495	Seq. ID	OJ000108_52.0426.C32
Gene No.	105218	Strand	+
Start	290	End	2330
Name	OJ000108_52.0426.C32.o1.gs	Method	GENSCAN
Start	334	End	2330

GI	none	Score	.76
Exons	334..620, 722..880, 2301..2330		

Seq. No.	49496	Seq. ID	OJ000108_52.0426.C33
Gene No.	105219	Strand	-
Start	1	End	1727
Name	OJ000108_52.0426.C33.o1.np	Method	AAT/NAP
Start	1	End	1379
GI	5042463	Score	61
Exons	1..20, 215..295, 346..477, 1139..1379		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	49496	Seq. ID	OJ000108_52.0426.C33
Gene No.	105219	Strand	-
Start	1	End	1727
Name	OJ000108_52.0426.C33.o1.gs	Method	GENSCAN
Start	191	End	1727
GI	none	Score	.63
Exons	191..295, 1540..1727		

Seq. No.	49497	Seq. ID	OJ000108_52.0426.C34
Gene No.	105220	Strand	+
Start	1	End	1400
Name	OJ000108_52.0426.C34.o1.np	Method	AAT/NAP
Start	1	End	1400
GI	1839188	Score	38
Exons	1..48, 622..701, 729..891, 1380..1400		
GI Descrip.	(U86081) root hair defective 3 [Arabidopsis thaliana]		

Seq. No.	49498	Seq. ID	OJ000108_52.0426.C35
Gene No.	105221	Strand	+
Start	1	End	2133
Name	OJ000108_52.0426.C35.o1.np	Method	AAT/NAP
Start	1	End	2133
GI	5852181	Score	88
Exons	1..29, 1988..2133		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	49498	Seq. ID	OJ000108_52.0426.C35
Gene No.	105221	Strand	+
Start	1	End	2133
Name	OJ000108_52.0426.C35.o1.gs	Method	GENSCAN
Start	79	End	697
GI	none	Score	.81
Exons	79..156, 342..423, 561..697		

Seq. No.	49499	Seq. ID	OJ000108_52.0426.C36
Gene No.	105222	Strand	+
Start	496	End	1838
Name	OJ000108_52.0426.C36.o1.gs	Method	GENSCAN
Start	496	End	1831
GI	none	Score	.8
Exons	496..547, 955..1098, 1611..1831		

Seq. No.	49499	Seq. ID	OJ000108_52.0426.C36
Gene No.	105222	Strand	+
Start	496	End	1838

Name	OJ000108_52.0426.C36.o1.tm	Method	TBLASTX:Maize
Start	1419	End	1821
GI	none	Score	97
Exons	1419..1553, 1663..1821, 1670..1819		

Seq. No.	49499	Seq. ID	OJ000108_52.0426.C36
Gene No.	105222	Strand	+
Start	496	End	1838
Name	OJ000108_52.0426.C36.o1.gp	Method	AAT/GAP
Start	1427	End	1838
GI	17442_1.R1084	Score	806
Exons	1427..1838		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	49499	Seq. ID	OJ000108_52.0426.C36
Gene No.	105222	Strand	+
Start	496	End	1838
Name	OJ000108_52.0426.C36.o1.ts	Method	TBLASTX:Soybean
Start	1664	End	1837
GI	none	Score	207
Exons	1664..1834, 1669..1836, 1670..1837		

Seq. No.	49499	Seq. ID	OJ000108_52.0426.C36
Gene No.	105222	Strand	+
Start	496	End	1838
Name	OJ000108_52.0426.C36.o1.tc	Method	TBLASTX:Cress
Start	1669	End	1837
GI	none	Score	206
Exons	1669..1836, 1670..1837		

Seq. No.	49500	Seq. ID	OJ000108_52.0426.C37
Gene No.	105223	Strand	-
Start	1	End	333
Name	OJ000108_52.0426.C37.o1.np	Method	AAT/NAP
Start	1	End	333
GI	7292499	Score	98
Exons	1..333		
GI Descrip.	(AE003481) CG15021 gene product [Drosophila melanogaster]		

Seq. No.	49501	Seq. ID	OJ000108_52.0426.C38
Gene No.	105224	Strand	+
Start	1	End	447
Name	OJ000108_52.0426.C38.o1.np	Method	AAT/NAP
Start	1	End	445
GI	6630685	Score	567
Exons	1..445		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	49501	Seq. ID	OJ000108_52.0426.C38
Gene No.	105224	Strand	+
Start	1	End	447
Name	OJ000108_52.0426.C38.o2.tm	Method	TBLASTX:Maize
Start	3	End	182

GI	none	Score	256
Exons	3..182, 3..179, 5..181		
Seq. No.	49501	Seq. ID	OJ000108_52.0426.C38
Gene No.	105224	Strand	+
Start	1	End	447
Name	OJ000108_52.0426.C38.o1.tm	Method	TBLASTX:Maize
Start	185	End	447
GI	none	Score	350
Exons	185..445, 187..447		
Seq. No.	49501	Seq. ID	OJ000108_52.0426.C38
Gene No.	105224	Strand	+
Start	1	End	447
Name	OJ000108_52.0426.C38.o1.gs	Method	GENSCAN
Start	203	End	394
GI	none	Score	.79
Exons	203..394		
Seq. No.	49501	Seq. ID	OJ000108_52.0426.C38
Gene No.	105224	Strand	+
Start	1	End	447
Name	OJ000108_52.0426.C38.o1.ts	Method	TBLASTX:Soybean
Start	203	End	447
GI	none	Score	215
Exons	203..445, 205..447		
Seq. No.	49502	Seq. ID	OJ000108_52.0426.C39
Gene No.	105225	Strand	-
Start	1	End	229
Name	OJ000108_52.0426.C39.o1.gp	Method	AAT/GAP
Start	1	End	229
GI	uC-osflcyp032e05a1	Score	446
Exons	1..229		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	49502	Seq. ID	OJ000108_52.0426.C39
Gene No.	105226	Strand	-
Start	267	End	419
Name	OJ000108_52.0426.C39.o1.gs	Method	GENSCAN
Start	267	End	419
GI	none	Score	.8
Exons	267..419		
Seq. No.	49503	Seq. ID	OJ000108_52.0426.C41
Gene No.	105227	Strand	+
Start	1	End	736
Name	OJ000108_52.0426.C41.o1.np	Method	AAT/NAP
Start	1	End	736
GI	1644459	Score	115
Exons	1..515, 646..736		
GI Descrip.	(U72522) neural variant mena++ protein [Mus musculus]		
Seq. No.	49504	Seq. ID	OJ000108_52.0426.C43
Gene No.	105228	Strand	-
Start	279	End	528

Name	OJ000108_52.0426.C43.o1.gp	Method	AAT/GAP
Start	279	End	528
GI	57713_5.R1084	Score	428
Exons	279..528		
GI Descrip.	'6015116/sp|O82653|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	49505	Seq. ID	OJ000108_52.0426.C44
Gene No.	105229	Strand	+
Start	1	End	712
Name	OJ000108_52.0426.C44.o1.np	Method	AAT/NAP
Start	1	End	712
GI	4680204	Score	364
Exons	1..712		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49505	Seq. ID	OJ000108_52.0426.C44
Gene No.	105229	Strand	+
Start	1	End	712
Name	OJ000108_52.0426.C44.o1.gs	Method	GENSCAN
Start	16	End	633
GI	none	Score	.74
Exons	16..293, 309..633		

Seq. No.	49505	Seq. ID	OJ000108_52.0426.C44
Gene No.	105229	Strand	+
Start	1	End	712
Name	OJ000108_52.0426.C44.o1.tw	Method	TBLASTX:Wheat
Start	66	End	405
GI	none	Score	136
Exons	66..215, 67..234, 229..369, 288..368, 373..405		

Seq. No.	49506	Seq. ID	OJ000108_52.0426.C45
Gene No.	105230	Strand	+
Start	1	End	724
Name	OJ000108_52.0426.C45.o1.np	Method	AAT/NAP
Start	1	End	724
GI	5852181	Score	94
Exons	1..22, 622..724		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	49506	Seq. ID	OJ000108_52.0426.C45
Gene No.	105231	Strand	-
Start	337	End	436
Name	OJ000108_52.0426.C45.o1.gs	Method	GENSCAN
Start	337	End	436
GI	none	Score	.9
Exons	337..436		

Seq. No.	49507	Seq. ID	OJ000108_41.0426.C2
Gene No.	105232	Strand	-
Start	356	End	942
Name	OJ000108_41.0426.C2.o1.gs	Method	GENSCAN
Start	356	End	942
GI	none	Score	.6
Exons	356..610, 655..942		

Seq. No.	49508	Seq. ID	OJ000108_41.0426.C3
Gene No.	105233	Strand	+
Start	46	End	203
Name	OJ000108_41.0426.C3.o1.gs	Method	GENSCAN
Start	46	End	203
GI	none	Score	.94
Exons	46..203		

Seq. No.	49508	Seq. ID	OJ000108_41.0426.C3
Gene No.	105234	Strand	-
Start	1	End	4578
Name	OJ000108_41.0426.C3.o1.np	Method	AAT/NAP
Start	1	End	4578
GI	6063557	Score	73
Exons	1..57, 2451..2669, 4477..4578		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	49508	Seq. ID	OJ000108_41.0426.C3
Gene No.	105234	Strand	-
Start	1	End	4578
Name	OJ000108_41.0426.C3.o2.gs	Method	GENSCAN
Start	1332	End	3276
GI	none	Score	.91
Exons	1332..1751, 1774..1958, 2074..2170, 3265..3276		

Seq. No.	49508	Seq. ID	OJ000108_41.0426.C3
Gene No.	105234	Strand	-
Start	1	End	4578
Name	OJ000108_41.0426.C3.o3.gs	Method	GENSCAN
Start	4345	End	4418
GI	none	Score	.99
Exons	4345..4418		

Seq. No.	49509	Seq. ID	OJ000108_41.0426.C6
Gene No.	105235	Strand	-
Start	1	End	271
Name	OJ000108_41.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	271
GI	2498930	Score	116
Exons	1..44, 212..271		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	49509	Seq. ID	OJ000108_41.0426.C6
Gene No.	105236	Strand	-
Start	212	End	271
Name	OJ000108_41.0426.C6.o1.gs	Method	GENSCAN
Start	212	End	271
GI	none	Score	.94
Exons	212..271		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105237	Strand	+
Start	4009	End	9913
Name	OJ000108_41.0426.C7.o2.gs	Method	GENSCAN
Start	4009	End	9873

GI	none	Score	.43
Exons	4009..4845, 5248..6658, 6914..7120, 7208..7629, 7741..9873		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105237	Strand	+
Start	4009	End	9913
Name	OJ000108_41.0426.C7.o1.np	Method	AAT/NAP
Start	4148	End	4929
GI	6002794	Score	1276
Exons	4148..4929		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105237	Strand	+
Start	4009	End	9913
Name	OJ000108_41.0426.C7.o2.np	Method	AAT/NAP
Start	4378	End	9913
GI	4680179	Score	4491
Exons	4378..4513, 5600..6469, 6572..9913		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105238	Strand	-
Start	1188	End	1709
Name	OJ000108_41.0426.C7.o1.gs	Method	GENSCAN
Start	1188	End	1709
GI	none	Score	1
Exons	1188..1709		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105239	Strand	
Start	5649	End	6291
Name	OJ000108_41.0426.C7.o8.tw	Method	TBLASTX:Wheat
Start	5649	End	6009
GI	none	Score	267
Exons	5649..5750, 5650..6009		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105239	Strand	
Start	5649	End	6291
Name	OJ000108_41.0426.C7.o6.tm	Method	TBLASTX:Maize
Start	5890	End	6291
GI	none	Score	240
Exons	5890..6291		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105240	Strand	
Start	6600	End	7005
Name	OJ000108_41.0426.C7.o7.tm	Method	TBLASTX:Maize
Start	6600	End	6924
GI	none	Score	204
Exons	6600..6713, 6601..6924		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105240	Strand	
Start	6600	End	7005
Name	OJ000108_41.0426.C7.o7.tw	Method	TBLASTX:Wheat

Start	6606	End	7005
GI	none	Score	165
Exons	6606..6761, 6607..6816, 6837..6956, 6841..7005		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105241	Strand	
Start	7152	End	8052
Name	OJ000108_41.0426.C7.o4.tw	Method	TBLASTX:Wheat
Start	7152	End	7635
GI	none	Score	524
Exons	7152..7607, 7153..7635, 7234..7626		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105241	Strand	
Start	7152	End	8052
Name	OJ000108_41.0426.C7.o3.tm	Method	TBLASTX:Maize
Start	7222	End	7689
GI	none	Score	385
Exons	7222..7689, 7294..7470, 7531..7644		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105241	Strand	
Start	7152	End	8052
Name	OJ000108_41.0426.C7.o1.ts	Method	TBLASTX:Soybean
Start	7576	End	7971
GI	none	Score	56
Exons	7576..7608, 7576..7608, 7593..7688, 7612..7971, 7612..7920, 7728..7943		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105241	Strand	
Start	7152	End	8052
Name	OJ000108_41.0426.C7.o5.tw	Method	TBLASTX:Wheat
Start	7684	End	7980
GI	none	Score	361
Exons	7684..7980, 7728..7943		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105241	Strand	
Start	7152	End	8052
Name	OJ000108_41.0426.C7.o5.tm	Method	TBLASTX:Maize
Start	7705	End	8052
GI	none	Score	301
Exons	7705..8052, 7773..7907		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105242	Strand	
Start	7986	End	8414
Name	OJ000108_41.0426.C7.o2.tw	Method	TBLASTX:Wheat
Start	7986	End	8412
GI	none	Score	596
Exons	7986..8411, 7987..8412		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105242	Strand	
Start	7986	End	8414
Name	OJ000108_41.0426.C7.o3.ts	Method	TBLASTX:Soybean

Start	7993	End	8238
GI	none	Score	214
Exons	7993..8238		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105242	Strand	
Start	7986	End	8414
Name	OJ000108_41.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	8056	End	8414
GI	none	Score	464
Exons	8056..8409, 8059..8412, 8061..8414		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o3.tw	Method	TBLASTX:Wheat
Start	8455	End	8979
GI	none	Score	79
Exons	8455..8571, 8529..8975, 8620..8979		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	8686	End	9003
GI	none	Score	101
Exons	8686..8859, 8707..8859, 8860..9003, 8862..8987		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o2.ts	Method	TBLASTX:Soybean
Start	8772	End	9027
GI	none	Score	299
Exons	8772..9017, 8779..9027, 8899..9027		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o4.tm	Method	TBLASTX:Maize
Start	8827	End	9117
GI	none	Score	378
Exons	8827..9117, 8838..9017, 8899..9114		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	8986	End	9612
GI	none	Score	667
Exons	8986..9612, 9081..9488, 9133..9561		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	9168	End	9762

GI	none	Score	80
Exons	9168..9317, 9169..9327, 9174..9320, 9325..9762, 9325..9408, 9327..9467, 9552..9620, 9667..9762		

Seq. No.	49510	Seq. ID	OJ000108_41.0426.C7
Gene No.	105243	Strand	
Start	8455	End	9909
Name	OJ000108_41.0426.C7.o6.tw	Method	TBLASTX:Wheat
Start	9613	End	9909
GI	none	Score	341
Exons	9613..9909, 9652..9909		

Seq. No.	49511	Seq. ID	OJ000108_41.0426.C9
Gene No.	105244	Strand	-
Start	476	End	712
Name	OJ000108_41.0426.C9.o1.gs	Method	GENSCAN
Start	476	End	712
GI	none	Score	.79
Exons	476..712		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105245	Strand	+
Start	3021	End	4962
Name	OJ000108_41.0426.C10.o1.gs	Method	GENSCAN
Start	3021	End	4962
GI	none	Score	.95
Exons	3021..3075, 4219..4429, 4896..4962		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o1.np	Method	AAT/NAP
Start	4267	End	11738
GI	5257279	Score	6781
Exons	4267..4493, 6171..6767, 6882..7044, 7261..9978, 10609..10844, 11193..11738		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o5.tw	Method	TBLASTX:Wheat
Start	5806	End	6139
GI	none	Score	94
Exons	5806..6138, 5915..6139		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o2.gs	Method	GENSCAN
Start	5911	End	10043
GI	none	Score	.6
Exons	5911..6351, 6523..9602, 9623..10043		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-

Start	4267	End	11738
Name	OJ000108_41.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	5998	End	6582
GI	none	Score	285
Exons	5998..6426, 5999..6427, 6285..6431, 6286..6486, 6424..6582, 6428..6580		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o1.tw	Method	TBLASTX:Wheat
Start	6139	End	6765
GI	none	Score	341
Exons	6139..6765, 6140..6763		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o4.tm	Method	TBLASTX:Maize
Start	6634	End	6925
GI	none	Score	259
Exons	6634..6924, 6638..6925		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o2.ts	Method	TBLASTX:Soybean
Start	6727	End	6981
GI	none	Score	155
Exons	6727..6972, 6728..6973, 6748..6981		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o1.tc	Method	TBLASTX:Cress
Start	6748	End	7065
GI	none	Score	116
Exons	6748..6891, 6749..6889, 6892..7065, 6944..7057		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o3.tw	Method	TBLASTX:Wheat
Start	6772	End	7236
GI	none	Score	287
Exons	6772..7236, 6776..7147		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o2.tw	Method	TBLASTX:Wheat
Start	7238	End	7764
GI	none	Score	308
Exons	7238..7729, 7261..7764, 7423..7731		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-

Start	4267	End	11738
Name	OJ000108_41.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	7453	End	7894
GI	none	Score	221
Exons	7453..7893, 7466..7894		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o3.ts	Method	TBLASTX:Soybean
Start	7513	End	7758
GI	none	Score	212
Exons	7513..7758		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o6.tw	Method	TBLASTX:Wheat
Start	7765	End	8002
GI	none	Score	159
Exons	7765..8001, 7781..8002		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	7780	End	8175
GI	none	Score	227
Exons	7780..8139, 7781..8137, 7996..8145, 8143..8175, 8144..8173, 8146..8175		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o6.tm	Method	TBLASTX:Maize
Start	7898	End	8062
GI	none	Score	131
Exons	7898..8062, 7900..8061		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o4.tw	Method	TBLASTX:Wheat
Start	7912	End	8598
GI	none	Score	46
Exons	7912..7950, 8003..8047, 8116..8598, 8120..8263, 8125..8478, 8291..8587		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o3.tm	Method	TBLASTX:Maize
Start	8062	End	8532
GI	none	Score	68
Exons	8062..8532, 8285..8458		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10

Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o2.tc	Method	TBLASTX:Cress
Start	8152	End	8470
GI	none	Score	66
Exons	8152..8469, 8300..8470		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o7.tm	Method	TBLASTX:Maize
Start	8533	End	8695
GI	none	Score	155
Exons	8533..8694, 8534..8695		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o7.tw	Method	TBLASTX:Wheat
Start	8770	End	9148
GI	none	Score	90
Exons	8770..8892, 8771..8881, 8776..8892, 8926..9147, 9026..9148		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o5.tm	Method	TBLASTX:Maize
Start	8828	End	9153
GI	none	Score	67
Exons	8828..8962, 8830..9117, 8830..9153		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o8.tw	Method	TBLASTX:Wheat
Start	9699	End	10062
GI	none	Score	86
Exons	9699..9845, 9711..9884, 9870..10061, 9880..10062		

Seq. No.	49512	Seq. ID	OJ000108_41.0426.C10
Gene No.	105246	Strand	-
Start	4267	End	11738
Name	OJ000108_41.0426.C10.o3.gs	Method	GENSCAN
Start	10545	End	11537
GI	none	Score	.45
Exons	10545..11537		

Seq. No.	49513	Seq. ID	OJ000108_41.0426.C11
Gene No.	105247	Strand	+
Start	185	End	331
Name	OJ000108_41.0426.C11.o1.gs	Method	GENSCAN
Start	185	End	331
GI	none	Score	.7
Exons	185..331		

Seq. No.	49513	Seq. ID	OJ000108_41.0426.C11
Gene No.	105248	Strand	-

Start	918	End	1175
Name	OJ000108_41.0426.C11.o2.gs	Method	GENSCAN
Start	918	End	1175
GI	none	Score	.7
Exons	918..1175		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105249	Strand	+
Start	1	End	4474
Name	OJ000108_41.0426.C12.o1.np	Method	AAT/NAP
Start	1	End	2565
GI	3650036	Score	604
Exons	1..99, 494..1484, 1548..2565		
GI Descrip.	(AC005396) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105249	Strand	+
Start	1	End	4474
Name	OJ000108_41.0426.C12.o1.gs	Method	GENSCAN
Start	162	End	4474
GI	none	Score	.7
Exons	162..364, 434..1033, 1573..1843, 1934..2512, 3477..3600, 3764..3764, 4247..4474		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105249	Strand	+
Start	1	End	4474
Name	OJ000108_41.0426.C12.o2.np	Method	AAT/NAP
Start	1465	End	2529
GI	4218001	Score	309
Exons	1465..1624, 1652..1867, 2011..2529		
GI Descrip.	(AC006135) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105250	Strand	+
Start	20251	End	23541
Name	OJ000108_41.0426.C12.o3.gs	Method	GENSCAN
Start	20251	End	23541
GI	none	Score	.65
Exons	20251..21512, 21607..22429, 22478..22865, 22998..23394, 23427..23541		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105250	Strand	+
Start	20251	End	23541
Name	OJ000108_41.0426.C12.o4.np	Method	AAT/NAP
Start	20251	End	23538
GI	6907089	Score	5071
Exons	20251..21512, 21607..23538		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105251	Strand	-
Start	18772	End	19153
Name	OJ000108_41.0426.C12.o1.gp	Method	AAT/GAP
Start	18772	End	19153
GI	uC-osflcyp172a09a1	Score	517

Exons	18772..19153		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	1057	End	2451
GI	none	Score	131
Exons	1057..1167, 1089..1166, 1168..1227, 1231..1281, 1249..1287, 1318..1596, 1323..1568, 1657..1878, 1900..1953, 2250..2447, 2251..2451		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o2.ts	Method	TBLASTX:Soybean
Start	1318	End	1956
GI	none	Score	135
Exons	1318..1623, 1624..1878, 1900..1956		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	1335	End	1596
GI	none	Score	203
Exons	1335..1568, 1339..1596		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	2197	End	2454
GI	none	Score	217
Exons	2197..2454, 2271..2447		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o2.tm	Method	TBLASTX:Maize
Start	7329	End	7730
GI	none	Score	57
Exons	7329..7403, 7330..7404, 7428..7613, 7510..7578, 7608..7730		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o3.ts	Method	TBLASTX:Soybean
Start	7476	End	7781
GI	none	Score	122
Exons	7476..7559, 7608..7781		
Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561

Name	OJ000108_41.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	7482	End	7793
GI	none	Score	136
Exons	7482..7574, 7608..7793		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o4.gs	Method	GENSCAN
Start	24165	End	24500
GI	none	Score	1
Exons	24165..24500		

Seq. No.	49514	Seq. ID	OJ000108_41.0426.C12
Gene No.	105252	Strand	-
Start	24165	End	24561
Name	OJ000108_41.0426.C12.o5.np	Method	AAT/NAP
Start	24168	End	24561
GI	7228457	Score	593
Exons	24168..24561		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105253	Strand	+
Start	647	End	1456
Name	OJ000108_41.0426.C13.o1.gs	Method	GENSCAN
Start	647	End	1456
GI	none	Score	.59
Exons	647..1456		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105254	Strand	+
Start	3887	End	4268
Name	OJ000108_41.0426.C13.o2.gp	Method	AAT/GAP
Start	3887	End	4268
GI	uC-osflcyp033a04b1	Score	679
Exons	3887..4268		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105255	Strand	+
Start	12111	End	12492
Name	OJ000108_41.0426.C13.o5.gp	Method	AAT/GAP
Start	12111	End	12492
GI	uC-osflcyp033a04b1	Score	643
Exons	12111..12492		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105256	Strand	+
Start	14000	End	14488
Name	OJ000108_41.0426.C13.o2.np	Method	AAT/NAP
Start	14000	End	14488

GI	5922623	Score	61
Exons	14000..14085, 14447..14488		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105257	Strand	-
Start	2006	End	3031
Name	OJ000108_41.0426.C13.o2.gs	Method	GENSCAN
Start	2006	End	3031
GI	none	Score	.72
Exons	2006..2023, 2588..3031		
Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o1.np	Method	AAT/NAP
Start	3367	End	13922
GI	7228457	Score	9026
Exons	3367..3400, 4904..6153, 6220..7371, 7494..8328, 8392..10032, 13201..13494, 13556..13922		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o7.tw	Method	TBLASTX:Wheat
Start	4900	End	5214
GI	none	Score	62
Exons	4900..5076, 4972..5214, 4973..5209, 5139..5210		
Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o4.tw	Method	TBLASTX:Wheat
Start	5215	End	5596
GI	none	Score	164
Exons	5215..5595, 5246..5494, 5254..5592, 5540..5596		
Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o3.tm	Method	TBLASTX:Maize
Start	5410	End	5733
GI	none	Score	186
Exons	5410..5733, 5423..5704		
Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o8.tw	Method	TBLASTX:Wheat
Start	5926	End	6238
GI	none	Score	73
Exons	5926..6186, 6062..6238		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o2.ts	Method	TBLASTX:Soybean
Start	5986	End	6552
GI	5666795	Score	68
Exons	5986..6186, 6241..6378, 6454..6552		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o5.tw	Method	TBLASTX:Wheat
Start	6241	End	6699
GI	none	Score	88
Exons	6241..6390, 6242..6379, 6424..6675, 6425..6655, 6478..6699		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	7300	End	7671
GI	none	Score	90
Exons	7300..7671, 7511..7654		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o2.tw	Method	TBLASTX:Wheat
Start	7330	End	7750
GI	none	Score	315
Exons	7330..7749, 7337..7750		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o2.tm	Method	TBLASTX:Maize
Start	7423	End	7807
GI	none	Score	236
Exons	7423..7806, 7442..7807		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	7834	End	8190
GI	none	Score	121
Exons	7834..8139, 7834..8190, 7844..8155		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	7858	End	8321
GI	none	Score	226
Exons	7858..8319, 7864..8319, 7865..8320, 7878..8321		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o3.ts	Method	TBLASTX:Soybean
Start	7915	End	8280
GI	none	Score	119
Exons	7915..8049, 8056..8280		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o3.tw	Method	TBLASTX:Wheat
Start	8485	End	12484
GI	none	Score	81
Exons	8485..8970, 8512..8751, 8516..8776, 8798..8971, 12425..12484		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o6.tw	Method	TBLASTX:Wheat
Start	9708	End	10034
GI	none	Score	95
Exons	9708..9965, 9742..9981, 9948..10034, 9949..10029		

Seq. No.	49515	Seq. ID	OJ000108_41.0426.C13
Gene No.	105258	Strand	-
Start	3367	End	14203
Name	OJ000108_41.0426.C13.o5.gs	Method	GENSCAN
Start	13164	End	14203
GI	none	Score	.74
Exons	13164..13967, 13997..14203		

Seq. No.	49516	Seq. ID	OJ000108_41.0426.C14
Gene No.	105259	Strand	+
Start	1	End	3310
Name	OJ000108_41.0426.C14.o1.np	Method	AAT/NAP
Start	1	End	3310
GI	6016874	Score	122
Exons	1..21, 2838..3054, 3187..3310		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	49516	Seq. ID	OJ000108_41.0426.C14
Gene No.	105259	Strand	+
Start	1	End	3310
Name	OJ000108_41.0426.C14.o1.gs	Method	GENSCAN
Start	96	End	2017
GI	none	Score	.68
Exons	96..150, 1863..2017		

Seq. No.	49516	Seq. ID	OJ000108_41.0426.C14
Gene No.	105259	Strand	+
Start	1	End	3310
Name	OJ000108_41.0426.C14.o2.gs	Method	GENSCAN
Start	2367	End	3250

GI	none	Score	.94
Exons	2367..2502, 2973..3250		
Seq. No.	49517	Seq. ID	OJ000108_41.0426.C15
Gene No.	105260	Strand	+
Start	143	End	3724
Name	OJ000108_41.0426.C15.o1.gs	Method	GENSCAN
Start	143	End	3724
GI	none	Score	.85
Exons	143..1303, 1378..1735, 2849..2924, 3629..3724		
Seq. No.	49517	Seq. ID	OJ000108_41.0426.C15
Gene No.	105261	Strand	-
Start	24	End	3730
Name	OJ000108_41.0426.C15.o1.np	Method	AAT/NAP
Start	24	End	3730
GI	79833	Score	122
Exons	24..381, 565..1242, 3687..3730		
GI Descrip.	hypothetical 119.5K protein (uvrA region) - Micrococcus luteus		
Seq. No.	49518	Seq. ID	OJ000108_41.0426.C16
Gene No.	105262	Strand	-
Start	738	End	1229
Name	OJ000108_41.0426.C16.o1.gs	Method	GENSCAN
Start	738	End	1229
GI	none	Score	.96
Exons	738..1229		
Seq. No.	49519	Seq. ID	OJ000108_41.0426.C17
Gene No.	105263	Strand	+
Start	1092	End	1693
Name	OJ000108_41.0426.C17.o1.gs	Method	GENSCAN
Start	1092	End	1693
GI	none	Score	.43
Exons	1092..1149, 1587..1693		
Seq. No.	49520	Seq. ID	OJ000108_41.0426.C18
Gene No.	105264	Strand	-
Start	1	End	19041
Name	OJ000108_41.0426.C18.o1.np	Method	AAT/NAP
Start	1	End	19041
GI	7511785	Score	328
Exons	1..677, 1290..2335, 5153..5218, 5606..5705, 13758..13942, 14210..14526, 15813..15847, 16221..16327, 18992..19041		
GI Descrip.	fibroin - Chinese oak silkmoth gi|3450883|gb|AAC32606.1| (AF083334) fibroin [Antheraea pernyi]		
Seq. No.	49520	Seq. ID	OJ000108_41.0426.C18
Gene No.	105264	Strand	-
Start	1	End	19041
Name	OJ000108_41.0426.C18.o1.gs	Method	GENSCAN
Start	295	End	14543
GI	none	Score	.51
Exons	295..613, 657..795, 842..923, 1217..1247, 1340..1400, 1630..2346, 3643..3682, 5516..5687, 11959..12082, 12199..12315, 13713..14543		

Seq. No.	49520	Seq. ID	OJ000108_41.0426.C18
Gene No.	105264	Strand	-
Start	1	End	19041
Name	OJ000108_41.0426.C18.o1.gp	Method	AAT/GAP
Start	5749	End	6037
GI	426253	Score	530
Exons	5749..6037		

Seq. No.	49520	Seq. ID	OJ000108_41.0426.C18
Gene No.	105264	Strand	-
Start	1	End	19041
Name	OJ000108_41.0426.C18.o2.gs	Method	GENSCAN
Start	17004	End	18431
GI	none	Score	.8
Exons	17004..17182, 17422..17572, 17580..17882, 18224..18342, 18344..18431		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105265	Strand	+
Start	8671	End	8865
Name	OJ000108_40.0426.C2.o2.gs	Method	GENSCAN
Start	8671	End	8865
GI	none	Score	.8
Exons	8671..8865		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105266	Strand	+
Start	9524	End	14405
Name	OJ000108_40.0426.C2.o3.gs	Method	GENSCAN
Start	9524	End	14405
GI	none	Score	.69
Exons	9524..9600, 14117..14405		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105267	Strand	+
Start	15612	End	15940
Name	OJ000108_40.0426.C2.o1.gp	Method	AAT/GAP
Start	15612	End	15940
GI	none	Score	466
Exons	15612..15940		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105268	Strand	+
Start	23369	End	23493
Name	OJ000108_40.0426.C2.o4.gp	Method	AAT/GAP
Start	23369	End	23493
GI	35458_1.R1084	Score	133
Exons	23369..23493		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105269	Strand	+
Start	24384	End	25496
Name	OJ000108_40.0426.C2.o5.gp	Method	AAT/GAP
Start	24384	End	25383
GI	15865_1.R1084	Score	1602

Exons	24384..24811, 24898..25383		
GI Descrip.	'4680199/gb|AAD27562.1|AF114171_3 2.0e-21 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105269	Strand	+
Start	24384	End	25496
Name	OJ000108_40.0426.C2.o6.gs	Method	GENSCAN
Start	24924	End	25496
GI	none	Score	.66
Exons	24924..25496		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105270	Strand	+
Start	28494	End	30121
Name	OJ000108_40.0426.C2.o6.np	Method	AAT/NAP
Start	28494	End	30121
GI	7340909	Score	181
Exons	28494..28537, 29767..30121		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105271	Strand	-
Start	1	End	5126
Name	OJ000108_40.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	2503
GI	6056375	Score	416
Exons	1..617, 709..759, 968..1044, 1272..1343, 1761..1832, 2091..2160, 2244..2317, 2442..2503		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105271	Strand	-
Start	1	End	5126
Name	OJ000108_40.0426.C2.o1.gs	Method	GENSCAN
Start	450	End	5053
GI	none	Score	.51
Exons	450..617, 1019..1044, 1112..1177, 2091..2162, 2246..2317, 2442..2513, 2562..2633, 3081..3152, 4836..5053		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105271	Strand	-
Start	1	End	5126
Name	OJ000108_40.0426.C2.o3.np	Method	AAT/NAP
Start	1035	End	5126
GI	6056374	Score	410
Exons	1035..1177, 1272..1375, 1482..1521, 1613..1711, 1750..1832, 2091..2160, 2244..2317, 2442..2513, 2919..3020, 3078..3152, 3313..3384, 4892..5126		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105272	Strand	-
Start	8486	End	8909
Name	OJ000108_40.0426.C2.o4.np	Method	AAT/NAP

Start	8486	End	8909
GI	6069646	Score	84
Exons	8486..8909		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105273	Strand	-
Start	15244	End	22888
Name	OJ000108_40.0426.C2.o4.gs	Method	GENSCAN
Start	15244	End	22888
GI	none	Score	.74
Exons	15244..15301, 15924..16279, 16374..16524, 16606..16786, 16945..17155, 17287..17405, 17487..17645, 17726..17924, 18015..18394, 18791..18867, 19948..20019, 21345..21534, 22741..22888		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105273	Strand	-
Start	15244	End	22888
Name	OJ000108_40.0426.C2.o5.np	Method	AAT/NAP
Start	15909	End	21571
GI	6056374	Score	1952
Exons	15909..16279, 16374..16524, 16606..16837, 16945..17155, 17287..17405, 17490..17645, 17726..17924, 18015..18394, 18492..18546, 18633..18684, 18791..18856, 18930..18995, 19090..19225, 19449..19520, 19569..19679, 19948..20019, 20102..20173, 20285..20356, 20536..20625, 20694..20780, 21024..21095, 21345..21571		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105273	Strand	-
Start	15244	End	22888
Name	OJ000108_40.0426.C2.o2.gp	Method	AAT/GAP
Start	16110	End	16491
GI	LIB3434-062-P1-K1-D10	Score	321
Exons	16110..16279, 16374..16491		
GI Descrip.	'6056375/gb|AAF02839.1|AC009894_10 5.0e-09 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105273	Strand	-
Start	15244	End	22888
Name	OJ000108_40.0426.C2.o3.gp	Method	AAT/GAP
Start	17057	End	17761
GI	uC-osroM202035h08b1	Score	730
Exons	17057..17155, 17287..17405, 17487..17645, 17726..17761		
GI Descrip.	'6056375/gb|AAF02839.1|AC009894_10 3.0e-29 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-

Start	28688	End	30068
Name	OJ000108_40.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	274	End	18285
GI	none	Score	87
Exons	274..495, 276..407, 276..509, 277..495, 17760..17927, 17760..17924, 17761..17928, 18003..18272, 18013..18273, 18014..18274, 18015..18284, 18016..18285		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	277	End	18338
GI	none	Score	220
Exons	277..555, 16094..16222, 18015..18338		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	295	End	20382
GI	none	Score	81
Exons	295..405, 2390..2533, 2582..2638, 16368..16523, 16429..16527, 16605..16835, 16609..16818, 16946..17158, 16950..17156, 16970..17158, 17287..17373, 17733..17855, 17743..17868, 18015..18182, 18231..18308, 20275..20382		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o2.tw	Method	TBLASTX:Wheat
Start	16022	End	16273
GI	none	Score	131
Exons	16022..16273, 16023..16235, 16055..16270		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o2.tc	Method	TBLASTX:Cress
Start	16058	End	16279
GI	none	Score	207
Exons	16058..16279		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o4.tm	Method	TBLASTX:Maize
Start	16079	End	16282
GI	none	Score	80
Exons	16079..16276, 16091..16282		

Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	16374	End	17880
GI	none	Score	98

Exons	16374..16550, 16429..16527, 16605..16826, 16608..16817, 16609..16818, 16899..17156, 16933..17097, 16940..17158, 16941..17165, 16943..17158, 17287..17373, 17288..17374, 17724..17861, 17743..17880		
Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	16377	End	17646
GI	none	Score	134
Exons	16377..16523, 16378..16524, 16454..16525, 16589..16864, 16605..16838, 16606..16845, 16608..16883, 16943..17158, 16944..17156, 16944..17168, 17282..17407, 17287..17406, 17486..17590, 17602..17646		
Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	16687	End	17158
GI	none	Score	66
Exons	16687..16842, 16689..16841, 16943..17158, 16944..17156		
Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o3.tm	Method	TBLASTX:Maize
Start	25020	End	25355
GI	none	Score	281
Exons	25020..25355, 25172..25318		
Seq. No.	49521	Seq. ID	OJ000108_40.0426.C2
Gene No.	105274	Strand	-
Start	28688	End	30068
Name	OJ000108_40.0426.C2.o7.gs	Method	GENSCAN
Start	28688	End	30068
GI	none	Score	.59
Exons	28688..28727, 29909..30068		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.gs	Method	GENSCAN
Start	100	End	4598
GI	none	Score	.74
Exons	100..193, 322..485, 983..1037, 1680..2038, 2135..2285, 2372..2603, 2727..2937, 3054..3172, 3256..3414, 3491..3689, 3773..4152, 4533..4598		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.np	Method	AAT/NAP
Start	1679	End	5980
GI	6056372	Score	1638
Exons	1679..2038, 2135..2285, 2372..2599, 2723..2937, 3054..3172,		

	3256..3414, 3491..3689, 3773..4152, 4242..4295, 4386..4438, 4533..4598, 4701..4766, 4860..4931, 5039..5110, 5201..5272, 5366..5473, 5956..5980		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.gp	Method	AAT/GAP
Start	1741	End	2391
GI	LIB3433-030-P1-K1-C7	Score	1050
Exons	1741..2038, 2135..2391		
GI Descrip.	'6056376/gb|AAF02840.1|AC009894_11 9.0e-41 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o2.tw	Method	TBLASTX:Wheat
Start	1806	End	2030
GI	none	Score	176
Exons	1806..2030, 1814..2029		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o3.tm	Method	TBLASTX:Maize
Start	1838	End	2045
GI	none	Score	150
Exons	1838..2035, 1839..2045, 1842..2039		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	1841	End	3626
GI	none	Score	101
Exons	1841..1942, 2135..2284, 2178..2285, 2190..2288, 2371..2601, 2375..2584, 2717..2938, 2722..2946, 3054..3140, 3055..3141, 3489..3626, 3496..3624		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	1964	End	2583
GI	none	Score	143
Exons	1964..2038, 2135..2284, 2136..2288, 2371..2583, 2375..2581		
Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	2138	End	3415
GI	none	Score	147
Exons	2138..2284, 2139..2285, 2173..2289, 2181..2285, 2372..2611,		

2374..2604, 2386..2646, 2724..2834, 2725..2946, 2726..2938,
2874..2945, 3049..3174, 3049..3174, 3053..3175, 3054..3188,
3256..3375, 3261..3383, 3273..3371, 3275..3388, 3369..3413,
3392..3415

Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	2453	End	2946
GI	none	Score	72
Exons	2453..2608, 2455..2607, 2725..2946, 2726..2938		

Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o2.tc	Method	TBLASTX:Cress
Start	2717	End	3147
GI	none	Score	139
Exons	2717..2941, 2725..2940, 3051..3143, 3052..3147		

Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o3.tc	Method	TBLASTX:Cress
Start	3392	End	3991
GI	none	Score	37
Exons	3392..3418, 3393..3419, 3490..3600, 3492..3725, 3496..3612, 3519..3674, 3768..3959, 3772..3957, 3773..3991, 3777..3962		

Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	3525	End	4034
GI	none	Score	111
Exons	3525..3692, 3525..3689, 3526..3693, 3772..3942, 3773..4030, 3783..4034		

Seq. No.	49522	Seq. ID	OJ000108_40.0426.C3
Gene No.	105275	Strand	-
Start	100	End	5980
Name	OJ000108_40.0426.C3.o2.ts	Method	TBLASTX:Soybean
Start	3773	End	4090
GI	none	Score	59
Exons	3773..4090, 3783..3923		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105276	Strand	+
Start	11858	End	20338
Name	OJ000108_40.0426.C4.o3.gs	Method	GENSCAN
Start	11858	End	19498
GI	none	Score	.4
Exons	11858..11972, 12348..12406, 12899..12968, 13141..13354, 13811..14014, 15869..15959, 16044..16080, 16193..16862, 17780..19317, 19494..19498		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105276	Strand	+
Start	11858	End	20338
Name	OJ000108_40.0426.C4.o2.np	Method	AAT/NAP
Start	13454	End	20338
GI	4680207	Score	980
Exons	13454..13475, 16080..16862, 17399..18963, 20299..20338		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105277	Strand	-
Start	1	End	2947
Name	OJ000108_40.0426.C4.o1.np	Method	AAT/NAP
Start	1	End	1540
GI	6056374	Score	339
Exons	1..87, 372..443, 512..616, 839..910, 1198..1382, 1493..1540		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105277	Strand	-
Start	1	End	2947
Name	OJ000108_40.0426.C4.o1.gs	Method	GENSCAN
Start	1176	End	2947
GI	none	Score	.44
Exons	1176..1422, 2365..2438, 2824..2865, 2891..2947		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105278	Strand	-
Start	5544	End	9399
Name	OJ000108_40.0426.C4.o2.gs	Method	GENSCAN
Start	5544	End	9399
GI	none	Score	.49
Exons	5544..5841, 5978..6012, 6059..6337, 6653..6775, 7454..8111, 9317..9399		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105279	Strand	-
Start	19757	End	19845
Name	OJ000108_40.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	16102	End	16689
GI	none	Score	100
Exons	16102..16323, 16341..16424, 16519..16689, 16536..16688		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105279	Strand	-
Start	19757	End	19845
Name	OJ000108_40.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	17313	End	18044
GI	none	Score	104
Exons	17313..17441, 17316..17432, 17442..17615, 17481..17642, 17727..17870, 17967..18044		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105279	Strand	-
Start	19757	End	19845

Name	OJ000108_40.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	17562	End	18053
GI	none	Score	89
Exons	17562..17678, 17736..17873, 17898..17978, 17985..18053		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105279	Strand	-
Start	19757	End	19845
Name	OJ000108_40.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	17763	End	18068
GI	none	Score	128
Exons	17763..17870, 17780..17872, 17889..17951, 17967..18068		

Seq. No.	49523	Seq. ID	OJ000108_40.0426.C4
Gene No.	105279	Strand	-
Start	19757	End	19845
Name	OJ000108_40.0426.C4.o4.gs	Method	GENSCAN
Start	19757	End	19845
GI	none	Score	.76
Exons	19757..19845		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105280	Strand	+
Start	418	End	752
Name	OJ000108_40.0426.C5.o1.gs	Method	GENSCAN
Start	418	End	752
GI	none	Score	.47
Exons	418..752		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105281	Strand	+
Start	22601	End	23419
Name	OJ000108_40.0426.C5.o4.gs	Method	GENSCAN
Start	22601	End	23419
GI	none	Score	.75
Exons	22601..22724, 23014..23228, 23348..23419		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105282	Strand	+
Start	26648	End	26789
Name	OJ000108_40.0426.C5.o2.gp	Method	AAT/GAP
Start	26648	End	26789
GI	21474_1.R1084	Score	235
Exons	26648..26789		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105283	Strand	-
Start	1665	End	18350
Name	OJ000108_40.0426.C5.o2.gs	Method	GENSCAN
Start	1665	End	17969
GI	none	Score	.52
Exons	1665..2089, 3148..3517, 3588..3738, 3826..4006, 4150..4366, 5557..5631, 6436..6618, 7188..7261, 7389..7541, 7643..7768, 7858..7922, 8170..8248, 8936..9042, 9131..9202, 9364..9435, 10586..10657, 11233..11304, 11595..11784, 11982..12151,		

12416..13192, 13257..15257, 15811..15899, 16092..16331,
16431..16973, 17037..17245, 17888..17969

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105283	Strand	-
Start	1665	End	18350
Name	OJ000108_40.0426.C5.o1.np	Method	AAT/NAP
Start	3128	End	12321
GI	6056374	Score	1760
Exons	3128..3517, 3588..3738, 3826..4057, 4156..4366, 6436..6554, 6801..6951, 7055..7261, 7389..7768, 7858..7909, 7993..8047, 8180..8248, 8430..8495, 8594..8734, 8966..9071, 9128..9202, 9364..9435, 9929..10000, 10093..10164, 10386..10490, 10586..10657, 11233..11304, 11595..11795, 12290..12321		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105283	Strand	-
Start	1665	End	18350
Name	OJ000108_40.0426.C5.o1.gp	Method	AAT/GAP
Start	3591	End	4071
GI	LIB3474-011-P1-K1-B12	Score	731
Exons	3591..3738, 3826..4071		
GI Descrip.	'6056376/gb|AAF02840.1|AC009894_11 3.0e-48 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105283	Strand	-
Start	1665	End	18350
Name	OJ000108_40.0426.C5.o2.np	Method	AAT/NAP
Start	12299	End	18350
GI	6466937	Score	2350
Exons	12299..12337, 12422..16166, 16206..16699, 18328..18350		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105284	Strand	-
Start	19760	End	22369
Name	OJ000108_40.0426.C5.o3.gs	Method	GENSCAN
Start	19760	End	22369
GI	none	Score	.49
Exons	19760..19815, 20097..20312, 20678..20848, 22072..22369		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105285	Strand	-
Start	25339	End	29534
Name	OJ000108_40.0426.C5.o5.gs	Method	GENSCAN
Start	25339	End	29534
GI	none	Score	.77
Exons	25339..25541, 25765..26002, 26129..26466, 26558..26730, 27143..27324, 27605..27677, 27765..27875, 27972..28145, 28257..29088, 29214..29355, 29430..29534		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105285	Strand	-

Start	25339	End	29534
Name	OJ000108_40.0426.C5.o4.gp	Method	AAT/GAP
Start	28357	End	28838
GI	uC-osflcyp176f10b1	Score	888
Exons	28357..28838		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	3356	End	7849
GI	none	Score	79
Exons	3356..3457, 3570..3737, 3640..3729, 3818..3997, 3826..4050, 3831..4046, 4157..4366, 4170..4367, 6436..6555, 7064..7198, 7196..7267, 7389..7712, 7814..7849		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	3594	End	6555
GI	none	Score	86
Exons	3594..3737, 3606..3737, 3631..3738, 3826..4071, 3831..4067, 4157..4366, 4170..4367, 4170..4367, 4171..4368, 6436..6555		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	3633	End	7682
GI	none	Score	64
Exons	3633..3737, 3640..3741, 3829..4038, 3831..4040, 4154..4366, 4173..4367, 7070..7204, 7389..7556, 7584..7682		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o5.tw	Method	TBLASTX:Wheat
Start	3907	End	4367
GI	none	Score	95
Exons	3907..4059, 3909..4058, 4146..4367, 4160..4366		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o6.tm	Method	TBLASTX:Maize
Start	7097	End	7650
GI	none	Score	131
Exons	7097..7282, 7104..7217, 7114..7233, 7115..7267, 7389..7646, 7399..7650		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920

Name	OJ000108_40.0426.C5.o5.tm	Method	TBLASTX:Maize
Start	12463	End	13104
GI	none	Score	75
Exons	12463..12669, 12483..12605, 12484..12660, 12703..13104, 12740..13060		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o4.tw	Method	TBLASTX:Wheat
Start	12697	End	13041
GI	none	Score	151
Exons	12697..13041, 12731..12997, 12748..13026		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o8.tw	Method	TBLASTX:Wheat
Start	13105	End	13483
GI	none	Score	162
Exons	13105..13200, 13274..13483		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	13111	End	13738
GI	none	Score	84
Exons	13111..13209, 13112..13213, 13203..13277, 13207..13278, 13274..13654, 13275..13637, 13691..13738		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o3.ts	Method	TBLASTX:Soybean
Start	13331	End	13714
GI	none	Score	111
Exons	13331..13714, 13422..13601		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o7.tw	Method	TBLASTX:Wheat
Start	13571	End	13987
GI	none	Score	74
Exons	13571..13987, 13572..13739		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o7.tm	Method	TBLASTX:Maize
Start	13739	End	14107
GI	none	Score	54
Exons	13739..13855, 13739..13969, 13892..13945, 13977..14102, 13985..14107		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5

Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	14117	End	14680
GI	none	Score	97
Exons	14117..14680, 14159..14359, 14169..14678		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o6.ts	Method	TBLASTX:Soybean
Start	14144	End	14401
GI	none	Score	68
Exons	14144..14401, 14153..14365, 14250..14399		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o6.tw	Method	TBLASTX:Wheat
Start	14309	End	14710
GI	none	Score	96
Exons	14309..14710, 14343..14681		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	14423	End	14782
GI	none	Score	314
Exons	14423..14782		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o4.tm	Method	TBLASTX:Maize
Start	14705	End	15181
GI	none	Score	253
Exons	14705..15181, 14706..15176		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o2.tw	Method	TBLASTX:Wheat
Start	14759	End	15241
GI	none	Score	191
Exons	14759..15241, 14817..15230		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o5.ts	Method	TBLASTX:Soybean
Start	14891	End	15205
GI	none	Score	210
Exons	14891..15205		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-

Start	29561	End	34920
Name	OJ000108_40.0426.C5.o8.tm	Method	TBLASTX:Maize
Start	15445	End	16064
GI	none	Score	63
Exons	15445..15540, 15628..15795, 15912..16064, 15961..16041		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o5.gp	Method	AAT/GAP
Start	29561	End	31522
GI	342_1.R1084	Score	3007
Exons	29561..30080, 30190..30287, 30370..30389, 30425..31522		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o7.gp	Method	AAT/GAP
Start	29561	End	33662
GI	342_1.R1084	Score	3003
Exons	29561..30080, 30190..30287, 30370..30389, 30425..31540, 33611..33662		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o6.gp	Method	AAT/GAP
Start	29561	End	31522
GI	342_1.R1084	Score	3003
Exons	29561..30080, 30190..30287, 30370..30389, 30425..31522		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o9.gp	Method	AAT/GAP
Start	29736	End	31522
GI	342_1.R1084	Score	2690
Exons	29736..30080, 30190..30287, 30370..30389, 30425..31522		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o8.gp	Method	AAT/GAP
Start	29743	End	31520
GI	342_1.R1084	Score	2679
Exons	29743..30080, 30190..30287, 30370..30389, 30425..31520		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o6.gs	Method	GENSCAN
Start	30497	End	32235
GI	none	Score	.65
Exons	30497..30832, 30924..31088, 31236..31492, 31542..32235		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o4.np	Method	AAT/NAP
Start	30518	End	31502
GI	4680203	Score	958
Exons	30518..31502		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	30572	End	31522
GI	none	Score	131
Exons	30572..30664, 30653..30733, 30746..30886, 30747..30887, 30834..30935, 30866..30913, 30933..30977, 30938..30973, 30972..31520, 30987..31304, 30988..31521, 31424..31522		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o2.tc	Method	TBLASTX:Cress
Start	31154	End	31521
GI	none	Score	228
Exons	31154..31405, 31155..31520, 31159..31521, 31165..31521		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o3.tw	Method	TBLASTX:Wheat
Start	31533	End	31884
GI	none	Score	186
Exons	31533..31784, 31549..31794, 31550..31786, 31777..31884		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o4.ts	Method	TBLASTX:Soybean
Start	31546	End	31761
GI	none	Score	103
Exons	31546..31761, 31547..31753		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o10.gp	Method	AAT/GAP
Start	32097	End	32667
GI	2310235	Score	294

Exons	32097..32235, 32630..32667		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o7.gs	Method	GENSCAN
Start	32956	End	34920
GI	none	Score	.46
Exons	32956..33142, 33188..33386, 33672..33812, 34172..34292, 34754..34920		

Seq. No.	49524	Seq. ID	OJ000108_40.0426.C5
Gene No.	105286	Strand	-
Start	29561	End	34920
Name	OJ000108_40.0426.C5.o11.gp	Method	AAT/GAP
Start	34016	End	34138
GI	286806	Score	184
Exons	34016..34138		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	49525	Seq. ID	OJ000108_40.0426.C6
Gene No.	105287	Strand	-
Start	6722	End	7005
Name	OJ000108_40.0426.C6.o3.gs	Method	GENSCAN
Start	6722	End	7005
GI	none	Score	.96
Exons	6722..7005		

Seq. No.	49526	Seq. ID	OJ000108_40.0426.C7
Gene No.	105288	Strand	+
Start	3583	End	4032
Name	OJ000108_40.0426.C7.o1.gp	Method	AAT/GAP
Start	3583	End	4032
GI	4968598	Score	826
Exons	3583..4032		

Seq. No.	49526	Seq. ID	OJ000108_40.0426.C7
Gene No.	105288	Strand	+
Start	3583	End	4032
Name	OJ000108_40.0426.C7.o2.np	Method	AAT/NAP
Start	3912	End	4032
GI	7523502	Score	127
Exons	3912..4032		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49526	Seq. ID	OJ000108_40.0426.C7
Gene No.	105289	Strand	-
Start	2589	End	3097
Name	OJ000108_40.0426.C7.o2.gs	Method	GENSCAN
Start	2589	End	3097
GI	none	Score	.49
Exons	2589..2673, 2978..3097		

Seq. No.	49527	Seq. ID	OJ000108_35.0426.C1

Gene No.	105290	Strand	-
Start	1	End	714
Name	OJ000108_35.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	714
GI	2498930	Score	722
Exons	1..410, 578..641, 670..714		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	49527	Seq. ID	OJ000108_35.0426.C1
Gene No.	105290	Strand	-
Start	1	End	714
Name	OJ000108_35.0426.C1.o1.gs	Method	GENSCAN
Start	108	End	637
GI	none	Score	.79
Exons	108..410, 578..637		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105291	Strand	+
Start	55	End	1444
Name	OJ000108_35.0426.C2.o1.gs	Method	GENSCAN
Start	55	End	1444
GI	none	Score	.62
Exons	55..109, 701..760, 1122..1240, 1435..1444		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105292	Strand	+
Start	2805	End	3572
Name	OJ000108_35.0426.C2.o2.gs	Method	GENSCAN
Start	2805	End	3572
GI	none	Score	.62
Exons	2805..3572		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105293	Strand	-
Start	1	End	3676
Name	OJ000108_35.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	3676
GI	7488431	Score	348
Exons	1..54, 2801..3154, 3329..3676		
GI Descrip.	zinc finger protein F15B8.140 - Arabidopsis thaliana gi|4678280|emb|CAB41188.1| (AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105294	Strand	-
Start	3994	End	4252
Name	OJ000108_35.0426.C2.o3.gs	Method	GENSCAN
Start	3994	End	4252
GI	none	Score	.85
Exons	3994..4059, 4121..4252		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105295	Strand	-
Start	5958	End	11120
Name	OJ000108_35.0426.C2.o4.gs	Method	GENSCAN
Start	5958	End	11120

GI	none	Score	.59
Exons	5958..6029, 6934..7056, 7076..7210, 8645..8722, 11094..11120		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105296	Strand	-
Start	14270	End	14699
Name	OJ000108_35.0426.C2.o5.gs	Method	GENSCAN
Start	14270	End	14699
GI	none	Score	.87
Exons	14270..14388, 14504..14699		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105297	Strand	-
Start	15318	End	15862
Name	OJ000108_35.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	2798	End	2921
GI	none	Score	167
Exons	2798..2920, 2802..2921		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105297	Strand	-
Start	15318	End	15862
Name	OJ000108_35.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	2798	End	2914
GI	none	Score	144
Exons	2798..2914, 2802..2906		

Seq. No.	49528	Seq. ID	OJ000108_35.0426.C2
Gene No.	105297	Strand	-
Start	15318	End	15862
Name	OJ000108_35.0426.C2.o2.np	Method	AAT/NAP
Start	15318	End	15862
GI	5852084	Score	93
Exons	15318..15416, 15841..15862		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o1.gs	Method	GENSCAN
Start	2835	End	4324
GI	none	Score	.74
Exons	2835..3281, 3298..3876, 3899..4324		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o1.np	Method	AAT/NAP
Start	2889	End	6870
GI	7106512	Score	2365
Exons	2889..3251, 3306..4541, 5055..5915, 6299..6736, 6810..6870		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289

Name	OJ000108_35.0426.C3.o2.gs	Method	GENSCAN
Start	5234	End	13215
GI	none	Score	.75
Exons	5234..5562, 5654..5827, 6503..6671, 6676..6736, 7775..8008, 8586..8739, 9964..10002, 10842..11352, 11448..11543, 11868..11911, 12175..12679, 12775..13215		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o2.np	Method	AAT/NAP
Start	9114	End	9356
GI	131164	Score	416
Exons	9114..9356		
GI Descrip.	PHOTOSYSTEM I IRON-SULFUR CENTER (PHOTOSYSTEM I SUBUNIT VII) (9 KD POLYPEPTIDE) (PSI-C) gi|65727|pir||FERZA photosystem I iron-sulfur protein psaC - rice chloroplast gi|65728|pir||FEWT1 photosystem I iron-sulfur protein psaC - wheat chloroplast gi|12051|emb|CAA33954| (X15901) PSI 9kDa protein [Oryza sativa] gi|12350|emb|CAA31555| (X13158) photosystem I 8 kDa subunit		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o2.gp	Method	AAT/GAP
Start	10346	End	10580
GI	2797226	Score	289
Exons	10346..10376, 10408..10580		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o3.gp	Method	AAT/GAP
Start	10576	End	11524
GI	16167_1.R1084	Score	1257
Exons	10576..10676, 10842..11352, 11448..11524		
GI Descrip.	'4322346/gb|AAD16019| 2.0e-27 (AF081825) sodium-dependent high-affinity dicarboxylate transporter [Rattus norvegicus] >gi_4837725_gb_AAD30657.1_AF080451_1 (AF080451) sodium-dependent dicarboxylate transporter SDCT2 [Rattus norvegicus]'		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o3.np	Method	AAT/NAP
Start	10726	End	12977
GI	4506979	Score	411
Exons	10726..11322, 11364..11539, 11864..11918, 12150..12666, 12771..12977		
GI Descrip.	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 gi|2499523|sp|Q13183|NDC1_HUMAN RENAL SODIUM/DICARBOXYLATE COTRANSPORTER (NA(+)/DICARBOXYLATE COTRANSPORTER) gi|1098557|gb|AAA98504.1| (U26209) renal sodium/dicarboxylate cotransporter [Homo sapiens] gi|1589363|prf||2211222A Na dicarboxylate cotransporter [Homo sapiens]		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105298	Strand	-
Start	2835	End	13289
Name	OJ000108_35.0426.C3.o4.gp	Method	AAT/GAP
Start	13053	End	13289
GI	1632104	Score	417
Exons	13053..13289		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105299	Strand	-
Start	14154	End	21090
Name	OJ000108_35.0426.C3.o3.gs	Method	GENSCAN
Start	14154	End	21072
GI	none	Score	.41
Exons	14154..14273, 14327..14418, 14480..14537, 15249..15521, 15937..15964, 19252..19755, 19766..20028, 20771..20838, 20934..21072		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105299	Strand	-
Start	14154	End	21090
Name	OJ000108_35.0426.C3.o4.np	Method	AAT/NAP
Start	19275	End	21090
GI	6651245	Score	934
Exons	19275..19755, 19862..20028, 20771..20838, 20934..21090		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	9087	End	9374
GI	none	Score	351
Exons	9087..9374, 9088..9372, 9095..9373, 9096..9371		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o3.ts	Method	TBLASTX:Soybean
Start	9096	End	9393
GI	none	Score	258
Exons	9096..9371, 9099..9356, 9100..9393		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o3.tm	Method	TBLASTX:Maize
Start	9191	End	9418
GI	none	Score	346
Exons	9191..9418, 9192..9401		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	10840	End	11118
GI	none	Score	181

Exons	10840..11118, 10841..11044		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o4.tc	Method	TBLASTX:Cress
Start	10840	End	11067
GI	none	Score	159
Exons	10840..11067, 10841..11038		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o5.ts	Method	TBLASTX:Soybean
Start	10876	End	11292
GI	none	Score	122
Exons	10876..11097, 10877..11032, 11065..11292, 11135..11260		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o5.tm	Method	TBLASTX:Maize
Start	11164	End	11364
GI	none	Score	261
Exons	11164..11352, 11165..11353, 11260..11364		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o4.ts	Method	TBLASTX:Soybean
Start	11475	End	12554
GI	none	Score	73
Exons	11475..11540, 11476..11538, 12161..12475, 12173..12391, 12255..12392, 12495..12554		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o3.tc	Method	TBLASTX:Cress
Start	12366	End	12685
GI	none	Score	71
Exons	12366..12512, 12368..12475, 12527..12685, 12543..12680		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o2.ts	Method	TBLASTX:Soybean
Start	12554	End	13185
GI	none	Score	72
Exons	12554..12694, 12555..12677, 12578..12700, 12772..13185, 12800..13084		
Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o2.tc	Method	TBLASTX:Cress
Start	12772	End	13152

GI	none	Score	211
Exons	12772..13008, 12794..13009, 13018..13152		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o4.tm	Method	TBLASTX:Maize
Start	12932	End	13237
GI	none	Score	254
Exons	12932..13219, 12934..13098, 13093..13143, 13141..13218, 13166..13237, 13171..13230		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	19275	End	21081
GI	none	Score	82
Exons	19275..19460, 19360..19494, 19548..19754, 19612..19758, 19861..20037, 19862..20029, 20763..20840, 20765..20857, 20935..21081, 20936..21064		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o6.tm	Method	TBLASTX:Maize
Start	19278	End	19478
GI	none	Score	116
Exons	19278..19460, 19360..19452, 19365..19478		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	19632	End	20821
GI	none	Score	83
Exons	19632..19697, 19633..19698, 19704..19754, 19708..19758, 19861..20037, 19862..20029, 19992..20033, 20771..20821		

Seq. No.	49529	Seq. ID	OJ000108_35.0426.C3
Gene No.	105300	Strand	-
Start	24973	End	25186
Name	OJ000108_35.0426.C3.o5.gs	Method	GENSCAN
Start	24973	End	25186
GI	none	Score	.68
Exons	24973..24989, 25141..25186		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105301	Strand	+
Start	8792	End	12819
Name	OJ000108_35.0426.C4.o3.np	Method	AAT/NAP
Start	8789	End	12620
GI	7485503	Score	1687
Exons	8789..9342, 9566..9897, 10252..10738, 11043..11203, 12360..12620		
GI Descrip.	hypothetical protein F15B8.20 - Arabidopsis thaliana gi|4678268|emb|CAB41176.1| (AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105301	Strand	+
Start	8792	End	12819
Name	OJ000108_35.0426.C4.o2.gs	Method	GENSCAN
Start	8792	End	10742
GI	none	Score	.82
Exons	8792..9342, 9566..9897, 10252..10742		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105301	Strand	+
Start	8792	End	12819
Name	OJ000108_35.0426.C4.o2.gp	Method	AAT/GAP
Start	12211	End	12819
GI	48743_1.R1084	Score	1210
Exons	12211..12819		
GI Descrip.	'4678268/emb|CAB41176.1| 1.0e-34 (AL049660) putative protein [Arabidopsis thaliana]'		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105301	Strand	+
Start	8792	End	12819
Name	OJ000108_35.0426.C4.o3.gs	Method	GENSCAN
Start	12270	End	12623
GI	none	Score	.85
Exons	12270..12623		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105302	Strand	+
Start	16143	End	16218
Name	OJ000108_35.0426.C4.o3.gp	Method	AAT/GAP
Start	16143	End	16218
GI	3760640	Score	86
Exons	16143..16218		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105303	Strand	-
Start	382	End	7423
Name	OJ000108_35.0426.C4.o1.gs	Method	GENSCAN
Start	382	End	7423
GI	none	Score	.51
Exons	382..396, 1950..2058, 3664..3791, 4366..4503, 4642..4760, 4862..5304, 6156..6478, 7140..7246, 7378..7423		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105303	Strand	-
Start	382	End	7423
Name	OJ000108_35.0426.C4.o1.gp	Method	AAT/GAP
Start	3647	End	4365
GI	969014	Score	387
Exons	3647..3822, 4267..4365		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105303	Strand	-
Start	382	End	7423

Name	OJ000108_35.0426.C4.o1.np	Method	AAT/NAP
Start	3654	End	5460
GI	6729524	Score	387
Exons	3654..3822, 4267..4365, 4463..4503, 4642..4721, 4862..4981, 5072..5460		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o4.tm	Method	TBLASTX:Maize
Start	3597	End	5334
GI	none	Score	172
Exons	3597..3821, 3598..3822, 3617..3832, 3619..3687, 3651..3836, 4266..4364, 4268..4366, 4270..4365, 4439..4504, 4456..4506, 4462..4503, 4668..4760, 4693..4764, 4700..4762, 4860..4994, 4861..4989, 4863..5024, 5042..5158, 5081..5158, 5166..5300, 5166..5300, 5167..5334		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o3.ts	Method	TBLASTX:Soybean
Start	3636	End	3845
GI	none	Score	124
Exons	3636..3821, 3636..3845, 3637..3831		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o2.tc	Method	TBLASTX:Cress
Start	3690	End	3822
GI	none	Score	140
Exons	3690..3821, 3691..3822		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o5.tm	Method	TBLASTX:Maize
Start	8969	End	9133
GI	none	Score	263
Exons	8969..9133, 8996..9121, 9001..9132		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o4.ts	Method	TBLASTX:Soybean
Start	8972	End	9160
GI	none	Score	213
Exons	8972..9160, 9001..9159		

Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	9556	End	10320
GI	none	Score	61

Exons	9556..9720, 9560..9625, 9567..9866, 9575..9865, 9681..9878, 9872..9898, 9872..9898, 10249..10320		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	10271	End	10661
GI	none	Score	500
Exons	10271..10636, 10272..10661		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	10350	End	10733
GI	none	Score	641
Exons	10350..10733, 10352..10732		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	12371	End	12584
GI	none	Score	366
Exons	12371..12580, 12372..12584		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	12372	End	12635
GI	none	Score	372
Exons	12372..12635, 12437..12601		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	12372	End	12602
GI	none	Score	382
Exons	12372..12602, 12437..12598		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	12372	End	12967
GI	none	Score	469
Exons	12372..12653, 12437..12652, 12660..12701, 12695..12796, 12757..12786, 12766..12837, 12878..12967		
Seq. No.	49530	Seq. ID	OJ000108_35.0426.C4
Gene No.	105304	Strand	-
Start	16702	End	16988
Name	OJ000108_35.0426.C4.o4.gs	Method	GENSCAN
Start	16702	End	16988

GI	none	Score	.63
Exons	16702..16821, 16866..16988		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105305	Strand	+
Start	8413	End	15087
Name	OJ000108_35.0426.C5.o3.gs	Method	GENSCAN
Start	8413	End	15087
GI	none	Score	.69
Exons	8413..9191, 9305..9418, 9543..9801, 9935..10141, 10224..10397, 10557..10754, 10845..10958, 11113..11433, 12007..12155, 12856..12979, 13256..13425, 14611..14641, 14768..14876, 15071..15087		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105305	Strand	+
Start	8413	End	15087
Name	OJ000108_35.0426.C5.o2.np	Method	AAT/NAP
Start	8533	End	11442
GI	4567304	Score	1247
Exons	8533..8769, 8872..9418, 9507..9597, 9637..9801, 9935..10141, 10224..10397, 10557..10754, 10845..10953, 11115..11355, 11392..11442		
GI Descrip.	(AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105305	Strand	+
Start	8413	End	15087
Name	OJ000108_35.0426.C5.o1.gp	Method	AAT/GAP
Start	10878	End	11510
GI	700724	Score	858
Exons	10878..10958, 11113..11510		
GI Descrip.	4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105305	Strand	+
Start	8413	End	15087
Name	OJ000108_35.0426.C5.o2.gp	Method	AAT/GAP
Start	12684	End	13086
GI	uC-osrocyp027f12b1	Score	767
Exons	12684..13086		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105305	Strand	+
Start	8413	End	15087
Name	OJ000108_35.0426.C5.o3.gp	Method	AAT/GAP
Start	13499	End	14153
GI	LIB3432-032-P2-K1-F5	Score	1246
Exons	13499..14153		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105305	Strand	+

Start	8413	End	15087
Name	OJ000108_35.0426.C5.o4.gp	Method	AAT/GAP
Start	14572	End	15083
GI	uC-osrocyp027f12a1	Score	734
Exons	14572..14668, 14768..15083		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105306	Strand	-
Start	2159	End	7216
Name	OJ000108_35.0426.C5.o1.np	Method	AAT/NAP
Start	2159	End	7216
GI	5902445	Score	1045
Exons	2159..2195, 4433..5641, 7189..7216		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105306	Strand	-
Start	2159	End	7216
Name	OJ000108_35.0426.C5.o2.gs	Method	GENSCAN
Start	4348	End	6900
GI	none	Score	.72
Exons	4348..4756, 4895..5233, 5419..5641, 6657..6900		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105307	Strand	-
Start	16138	End	17386
Name	OJ000108_35.0426.C5.o4.gs	Method	GENSCAN
Start	16138	End	17386
GI	none	Score	.76
Exons	16138..16569, 16584..16764, 17322..17386		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105308	Strand	-
Start	19761	End	22030
Name	OJ000108_35.0426.C5.o5.gs	Method	GENSCAN
Start	19761	End	22030
GI	none	Score	.62
Exons	19761..19840, 20598..20699, 20895..21005, 21919..22030		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o4.tw	Method	TBLASTX:Wheat
Start	4436	End	4726
GI	none	Score	108
Exons	4436..4726, 4456..4725		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o5.ts	Method	TBLASTX:Soybean
Start	4630	End	5013
GI	none	Score	84
Exons	4630..4881, 4888..5013		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o2.tw	Method	TBLASTX:Wheat
Start	4729	End	5155
GI	none	Score	62
Exons	4729..4902, 4730..4873, 4910..5155, 4912..5148		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o5.tm	Method	TBLASTX:Maize
Start	5169	End	5559
GI	none	Score	84
Exons	5169..5207, 5212..5286, 5305..5400, 5418..5558, 5425..5559		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o4.ts	Method	TBLASTX:Soybean
Start	5227	End	5634
GI	none	Score	98
Exons	5227..5403, 5418..5633, 5467..5634		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	5282	End	5643
GI	none	Score	79
Exons	5282..5413, 5284..5400, 5418..5642, 5424..5606, 5437..5643		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	9166	End	9804
GI	none	Score	77
Exons	9166..9231, 9230..9430, 9231..9419, 9504..9638, 9505..9612, 9708..9803, 9709..9804		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	9178	End	9558
GI	none	Score	72
Exons	9178..9231, 9191..9226, 9220..9420, 9227..9430, 9231..9419, 9492..9557, 9505..9558		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	9534	End	10334
GI	none	Score	50
Exons	9534..9674, 9535..9678, 9699..9800, 9700..9801, 9704..9802,		

9712..9801, 9929..9958, 9932..9955, 9962..10144, 9986..10117,
9987..10142, 9988..10143, 10223..10333, 10224..10334

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o4.tm	Method	TBLASTX:Maize
Start	9571	End	9805
GI	none	Score	245
Exons	9571..9801, 9596..9805		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o3.tc	Method	TBLASTX:Cress
Start	9972	End	10724
GI	none	Score	115
Exons	9972..10070, 9974..10078, 9988..10080, 10001..10144, 10081..10143, 10223..10393, 10224..10400, 10557..10598, 10674..10724		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	10058	End	10963
GI	none	Score	144
Exons	10058..10144, 10066..10143, 10220..10396, 10222..10395, 10223..10396, 10224..10400, 10556..10600, 10557..10697, 10621..10755, 10632..10757, 10674..10760, 10687..10779, 10843..10956, 10844..10963, 10845..10958, 10858..10959		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o3.ts	Method	TBLASTX:Soybean
Start	10335	End	11439
GI	none	Score	102
Exons	10335..10400, 10337..10399, 10557..10658, 10564..10659, 10635..10757, 10674..10760, 10844..10957, 10845..10958, 11110..11340, 11341..11400, 11392..11439		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o6.tm	Method	TBLASTX:Maize
Start	11278	End	11486
GI	none	Score	190
Exons	11278..11442, 11280..11486		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o6.gs	Method	GENSCAN
Start	23494	End	23877
GI	none	Score	.83
Exons	23494..23877		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o3.np	Method	AAT/NAP
Start	23509	End	23986
GI	2832241	Score	295
Exons	23509..23542, 23570..23986		
GI Descrip.	(AF030864) nonphototropic hypocotyl 1 [Arabidopsis thaliana] gi|7019644|emb|CAB75791.1| (AL157735) nonphototropic hypocotyl 1 [Arabidopsis thaliana]		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	23632	End	23980
GI	none	Score	167
Exons	23632..23979, 23641..23820, 23648..23980		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	23632	End	23986
GI	none	Score	226
Exons	23632..23766, 23797..23985, 23819..23986		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o2.tc	Method	TBLASTX:Cress
Start	23647	End	23986
GI	none	Score	143
Exons	23647..23769, 23791..23985, 23819..23986		

Seq. No.	49531	Seq. ID	OJ000108_35.0426.C5
Gene No.	105309	Strand	-
Start	23494	End	23986
Name	OJ000108_35.0426.C5.o3.tw	Method	TBLASTX:Wheat
Start	23647	End	23958
GI	none	Score	39
Exons	23647..23760, 23651..23716, 23797..23958, 23816..23953		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105310	Strand	-
Start	1	End	764
Name	OJ000108_35.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	764
GI	4836928	Score	356
Exons	1..764		
GI Descrip.	(AC006085) Similar to protein kinases [Arabidopsis thaliana]		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105310	Strand	-
Start	1	End	764
Name	OJ000108_35.0426.C6.o1.gs	Method	GENSCAN

Start	96	End	750
GI	none	Score	.66
Exons	96..750		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105311	Strand	-
Start	1437	End	1577
Name	OJ000108_35.0426.C6.o2.gs	Method	GENSCAN
Start	1437	End	1577
GI	none	Score	.62
Exons	1437..1577		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o2.tc	Method	TBLASTX:Cress
Start	224	End	525
GI	none	Score	126
Exons	224..430, 226..525		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o2.ts	Method	TBLASTX:Soybean
Start	224	End	525
GI	none	Score	89
Exons	224..496, 226..525		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	259	End	690
GI	none	Score	257
Exons	259..528, 260..550, 577..606, 649..690		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o1.gp	Method	AAT/GAP
Start	9000	End	9861
GI	15476_3.R1084	Score	1668
Exons	9000..9861		
GI Descrip.	'169363 5.0e-25 (M75856) PVPR3 [Phaseolus vulgaris]'		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	9001	End	9446
GI	none	Score	69
Exons	9001..9024, 9060..9131, 9064..9141, 9116..9172, 9248..9286, 9248..9280, 9249..9446, 9334..9435		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861

Name	OJ000108_35.0426.C6.o1.tw	Method	TBLASTX:Wheat
Start	9113	End	9708
GI	none	Score	206
Exons	9113..9277, 9170..9196, 9193..9309, 9240..9446, 9250..9441, 9651..9707, 9652..9708		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	9246	End	9441
GI	none	Score	109
Exons	9246..9440, 9343..9441		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	9246	End	9690
GI	none	Score	137
Exons	9246..9440, 9334..9441, 9595..9690, 9618..9689		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o4.gs	Method	GENSCAN
Start	9249	End	9743
GI	none	Score	.99
Exons	9249..9743		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o2.np	Method	AAT/NAP
Start	9252	End	9743
GI	7488772	Score	288
Exons	9252..9612, 9682..9743		
GI Descrip.	pathogenesis-related protein 3 - kidney bean gi|169363|gb|AAA33773.1| (M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	49532	Seq. ID	OJ000108_35.0426.C6
Gene No.	105312	Strand	-
Start	9249	End	9861
Name	OJ000108_35.0426.C6.o3.tm	Method	TBLASTX:Maize
Start	9607	End	9795
GI	none	Score	159
Exons	9607..9795, 9618..9743, 9652..9753		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105313	Strand	+
Start	6437	End	8050
Name	OJ000108_35.0426.C7.o1.gp	Method	AAT/GAP
Start	6348	End	8050
GI	518_1.R1084	Score	1558
Exons	6348..6799, 6914..7036, 7771..8050		
GI Descrip.	'2058273/dbj|BAA19798| 2.0e-95 (D83527) YK426 [Oryza sativa]'		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105313	Strand	+
Start	6437	End	8050
Name	OJ000108_35.0426.C7.o2.np	Method	AAT/NAP
Start	6437	End	7854
GI	6174959	Score	893
Exons	6437..6799, 6914..7036, 7771..7854		
GI Descrip.	60S RIBOSOMAL PROTEIN L9 gi|2058273|dbj|BAA19798| (D83527) YK426 [Oryza sativa]		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105313	Strand	+
Start	6437	End	8050
Name	OJ000108_35.0426.C7.o3.gs	Method	GENSCAN
Start	6437	End	7857
GI	none	Score	.96
Exons	6437..6799, 6914..7036, 7771..7857		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105314	Strand	+
Start	15037	End	20787
Name	OJ000108_35.0426.C7.o5.gs	Method	GENSCAN
Start	15037	End	20721
GI	none	Score	.54
Exons	15037..15085, 15249..15426, 17757..17772, 17897..18043, 18966..19076, 19275..19550, 19625..19697, 20631..20721		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105314	Strand	+
Start	15037	End	20787
Name	OJ000108_35.0426.C7.o4.np	Method	AAT/NAP
Start	16254	End	20787
GI	7532409	Score	266
Exons	16254..16285, 19239..19678, 20756..20787		
GI Descrip.	(AC002329) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o2.gs	Method	GENSCAN
Start	1760	End	5925
GI	none	Score	.71
Exons	1760..1854, 2420..2869, 3544..3688, 4649..4762, 4930..5011, 5456..5925		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o5.tm	Method	TBLASTX:Maize
Start	5365	End	5590
GI	none	Score	125
Exons	5365..5508, 5392..5508, 5405..5521, 5456..5590, 5506..5589, 5513..5590		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-

Start	1760	End	11189
Name	OJ000108_35.0426.C7.o3.np	Method	AAT/NAP
Start	5419	End	9223
GI	6721547	Score	75
Exons	5419..5443, 9132..9223		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o4.tm	Method	TBLASTX:Maize
Start	5626	End	5932
GI	none	Score	35
Exons	5626..5682, 5665..5682, 5749..5829, 5750..5830, 5824..5931, 5825..5932		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	6427	End	7859
GI	none	Score	41
Exons	6427..6819, 6430..6456, 6443..6805, 6911..7036, 6913..7035, 7753..7851, 7764..7856, 7768..7851, 7770..7859		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	6430	End	7868
GI	none	Score	139
Exons	6430..6576, 6443..6583, 6577..6807, 6584..6805, 6911..7036, 6913..7035, 7764..7865, 7768..7866, 7770..7868		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o1.ts	Method	TBLASTX:Soybean
Start	6430	End	7851
GI	none	Score	139
Exons	6430..6570, 6443..6580, 6574..6819, 6584..6805, 6911..7036, 6913..7035, 7764..7850, 7768..7851		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	6445	End	7978
GI	none	Score	300
Exons	6445..6681, 6446..6682, 6679..6819, 6680..6805, 6911..7036, 6911..6955, 6913..7035, 7764..7850, 7768..7851, 7863..7967, 7893..7952, 7931..7978		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o4.gs	Method	GENSCAN

Start	8429	End	11189
GI	none	Score	.97
Exons	8429..8658, 10910..11189		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105315	Strand	-
Start	1760	End	11189
Name	OJ000108_35.0426.C7.o6.tm	Method	TBLASTX:Maize
Start	8528	End	8653
GI	none	Score	151
Exons	8528..8653, 8529..8651		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105316	Strand	
Start	13880	End	14024
Name	OJ000108_35.0426.C7.o3.tm	Method	TBLASTX:Maize
Start	13880	End	14024
GI	none	Score	221
Exons	13880..14023, 13884..14024		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105317	Strand	
Start	19238	End	19666
Name	OJ000108_35.0426.C7.o2.tc	Method	TBLASTX:Cress
Start	19238	End	19666
GI	none	Score	153
Exons	19238..19375, 19239..19409, 19416..19550, 19439..19549, 19625..19666, 19636..19665		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105317	Strand	
Start	19238	End	19666
Name	OJ000108_35.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	19238	End	19665
GI	none	Score	188
Exons	19238..19417, 19239..19418, 19245..19421, 19434..19550, 19436..19546, 19624..19665, 19625..19663		

Seq. No.	49533	Seq. ID	OJ000108_35.0426.C7
Gene No.	105317	Strand	
Start	19238	End	19666
Name	OJ000108_35.0426.C7.o2.ts	Method	TBLASTX:Soybean
Start	19253	End	19666
GI	none	Score	127
Exons	19253..19366, 19254..19397, 19439..19549, 19440..19550, 19625..19666		

Seq. No.	49534	Seq. ID	OJ000108_37.0426.C1
Gene No.	105318	Strand	-
Start	1	End	1541
Name	OJ000108_37.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	1541
GI	7489400	Score	139
Exons	1..342, 1521..1541		
GI Descrip.	NBS-LRR type resistance protein - barley (fragment) gi|2792216|gb|AAB96983.1| (AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	49534	Seq. ID	OJ000108_37.0426.C1
Gene No.	105318	Strand	-
Start	1	End	1541
Name	OJ000108_37.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	357
GI	none	Score	103
Exons	1..153, 3..125, 4..198, 146..211, 151..204, 220..357, 234..338, 235..354		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105319	Strand	+
Start	5182	End	8228
Name	OJ000108_37.0426.C2.o2.gs	Method	GENSCAN
Start	5182	End	8228
GI	none	Score	.52
Exons	5182..5254, 7395..7473, 7716..7839, 7998..8228		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105320	Strand	+
Start	10628	End	10772
Name	OJ000108_37.0426.C2.o2.gp	Method	AAT/GAP
Start	10628	End	10772
GI	21474_1.R1084	Score	243
Exons	10628..10772		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105321	Strand	+
Start	17405	End	17822
Name	OJ000108_37.0426.C2.o4.gp	Method	AAT/GAP
Start	17405	End	17822
GI	LIB3431-028-P1-N1-A10	Score	828
Exons	17405..17822		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105322	Strand	-
Start	1	End	3624
Name	OJ000108_37.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	3614
GI	4680207	Score	207
Exons	1..46, 2328..2581, 2609..2756, 3206..3614		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105322	Strand	-
Start	1	End	3624
Name	OJ000108_37.0426.C2.o1.gs	Method	GENSCAN
Start	290	End	3624
GI	none	Score	.64
Exons	290..328, 516..542, 1289..1490, 2328..2756, 3206..3624		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2

Gene No.	105322	Strand	-
Start	1	End	3624
Name	OJ000108_37.0426.C2.o2.np	Method	AAT/NAP
Start	2489	End	3624
GI	7328528	Score	327
Exons	2489..2756, 3206..3312, 3338..3624		
GI Descrip.	(AB040028) RPM1 like protein [Oryza sativa]		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o3.gs	Method	GENSCAN
Start	8770	End	20772
GI	none	Score	.6
Exons	8770..8865, 9552..9703, 11150..11312, 11392..11490, 11585..11657, 11742..11852, 11949..12122, 12232..12508, 12579..13061, 13187..13328, 13403..13522, 13568..13964, 14091..14824, 15689..16402, 17492..19623, 19758..20772		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o3.np	Method	AAT/NAP
Start	11145	End	14839
GI	4680204	Score	1025
Exons	11145..11282, 11633..11852, 11949..12122, 12232..13328, 13403..14839		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o3.gp	Method	AAT/GAP
Start	12332	End	12811
GI	uC-osflcyp176f10b1	Score	828
Exons	12332..12811		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o5.np	Method	AAT/NAP
Start	12940	End	14839
GI	4680204	Score	920
Exons	12940..13328, 13403..14839		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o5.gp	Method	AAT/GAP
Start	16678	End	20768
GI	342_1.R1084	Score	6619
Exons	16678..17051, 17161..17258, 17341..17360, 17396..20768		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o6.gp	Method	AAT/GAP
Start	16680	End	20768
GI	342_1.R1084	Score	6615
Exons	16680..17051, 17161..17258, 17341..17360, 17396..20768		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105323	Strand	-
Start	8770	End	20772
Name	OJ000108_37.0426.C2.o6.np	Method	AAT/NAP
Start	17462	End	20767
GI	4680203	Score	3277
Exons	17462..18439, 18716..18946, 19100..20767		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o4.tm	Method	TBLASTX:Maize
Start	2409	End	2686
GI	none	Score	105
Exons	2409..2579, 2450..2674, 2453..2686		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o3.tm	Method	TBLASTX:Maize
Start	3301	End	3625
GI	none	Score	123
Exons	3301..3624, 3428..3625		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o6.tw	Method	TBLASTX:Wheat
Start	3390	End	3630
GI	none	Score	47
Exons	3390..3470, 3391..3435, 3391..3630, 3416..3625		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o8.tw	Method	TBLASTX:Wheat
Start	11783	End	12305
GI	none	Score	68
Exons	11783..11854, 11954..12136, 11961..12086, 12225..12305		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o7.tw	Method	TBLASTX:Wheat

Start	13116	End	22738
GI	none	Score	55
Exons	13116..13337, 13400..13471, 13712..13792, 22640..22738		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o5.tw	Method	TBLASTX:Wheat
Start	13793	End	14196
GI	none	Score	42
Exons	13793..13888, 13793..13963, 13926..14093, 13958..14194, 14045..14194, 14086..14196		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	17516	End	18833
GI	none	Score	118
Exons	17516..17608, 17597..17677, 17690..17803, 17691..17804, 17810..17869, 17876..17920, 17881..17916, 17915..18832, 17931..18833		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	18098	End	18549
GI	none	Score	92
Exons	18098..18247, 18098..18541, 18102..18545, 18108..18545, 18367..18549		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	18476	End	18790
GI	none	Score	68
Exons	18476..18706, 18476..18790, 18504..18779		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o3.tw	Method	TBLASTX:Wheat
Start	18834	End	19244
GI	none	Score	81
Exons	18834..18920, 18836..18934, 18953..19171, 18993..19175, 19181..19243, 19194..19244		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	19277	End	19519
GI	none	Score	215
Exons	19277..19519		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	19349	End	19806
GI	none	Score	57
Exons	19349..19543, 19553..19672, 19553..19678, 19672..19794, 19678..19806		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o2.tw	Method	TBLASTX:Wheat
Start	19383	End	19851
GI	none	Score	167
Exons	19383..19589, 19383..19487, 19388..19612, 19592..19678, 19593..19679, 19693..19797, 19697..19786, 19798..19851, 19799..19843		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o2.tc	Method	TBLASTX:Cress
Start	19672	End	19987
GI	none	Score	74
Exons	19672..19980, 19700..19795, 19835..19987		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	19720	End	20149
GI	none	Score	118
Exons	19720..20016, 19738..19962, 20011..20073, 20066..20149, 20074..20148		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o4.tw	Method	TBLASTX:Wheat
Start	20078	End	20421
GI	none	Score	187
Exons	20078..20320, 20080..20331, 20081..20323, 20314..20421		

Seq. No.	49535	Seq. ID	OJ000108_37.0426.C2
Gene No.	105324	Strand	-
Start	22126	End	22752
Name	OJ000108_37.0426.C2.o4.gs	Method	GENSCAN
Start	22126	End	22752
GI	none	Score	.97
Exons	22126..22442, 22614..22752		

Seq. No.	49536	Seq. ID	OJ000108_37.0426.C3
Gene No.	105325	Strand	-
Start	36	End	4301
Name	OJ000108_37.0426.C3.o1.gs	Method	GENSCAN
Start	36	End	4169

GI	none	Score	.55
Exons	36..191, 472..724, 774..831, 1390..2148, 2175..3108, 3933..4169		

Seq. No.	49536	Seq. ID	OJ000108_37.0426.C3
Gene No.	105325	Strand	-
Start	36	End	4301
Name	OJ000108_37.0426.C3.o1.np	Method	AAT/NAP
Start	1358	End	4301
GI	4680182	Score	1025
Exons	1358..3108, 3933..4301		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49537	Seq. ID	OJ000108_37.0426.C4
Gene No.	105326	Strand	-
Start	3279	End	4726
Name	OJ000108_37.0426.C4.o2.gs	Method	GENSCAN
Start	3279	End	4726
GI	none	Score	.58
Exons	3279..3368, 4029..4169, 4244..4586, 4710..4726		

Seq. No.	49538	Seq. ID	OJ000108_37.0426.C5
Gene No.	105327	Strand	+
Start	1664	End	2042
Name	OJ000108_37.0426.C5.o1.np	Method	AAT/NAP
Start	1664	End	2042
GI	4680182	Score	296
Exons	1664..2042		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49538	Seq. ID	OJ000108_37.0426.C5
Gene No.	105328	Strand	-
Start	5220	End	7452
Name	OJ000108_37.0426.C5.o2.gs	Method	GENSCAN
Start	5220	End	7452
GI	none	Score	.73
Exons	5220..5376, 6936..7047, 7371..7452		

Seq. No.	49538	Seq. ID	OJ000108_37.0426.C5
Gene No.	105328	Strand	-
Start	5220	End	7452
Name	OJ000108_37.0426.C5.o2.np	Method	AAT/NAP
Start	5381	End	6875
GI	7487670	Score	73
Exons	5381..5478, 6675..6875		
GI Descrip.	hypothetical protein T5C23.140 - Arabidopsis thaliana gi|4539462|emb|CAB39942.1| (AL049500) putative protein [Arabidopsis thaliana] gi|7267871|emb|CAB78214.1| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	49539	Seq. ID	OJ000108_37.0426.C6
Gene No.	105329	Strand	+
Start	616	End	2940
Name	OJ000108_37.0426.C6.o1.gs	Method	GENSCAN
Start	616	End	2737
GI	none	Score	.47
Exons	616..684, 1343..2187, 2514..2737		

Seq. No.	49539	Seq. ID	OJ000108_37.0426.C6
Gene No.	105329	Strand	+
Start	616	End	2940
Name	OJ000108_37.0426.C6.o1.np	Method	AAT/NAP
Start	1317	End	2940
GI	6979329	Score	120
Exons	1317..1611, 2920..2940		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		

Seq. No.	49540	Seq. ID	OJ000108_37.0426.C9
Gene No.	105330	Strand	+
Start	46	End	613
Name	OJ000108_37.0426.C9.o1.gs	Method	GENSCAN
Start	46	End	613
GI	none	Score	.68
Exons	46..153, 278..613		

Seq. No.	49540	Seq. ID	OJ000108_37.0426.C9
Gene No.	105331	Strand	+
Start	7695	End	7811
Name	OJ000108_37.0426.C9.o2.gp	Method	AAT/GAP
Start	7695	End	7811
GI	LIB3431-045-P1-N1-A10	Score	201
Exons	7695..7811		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	49540	Seq. ID	OJ000108_37.0426.C9
Gene No.	105332	Strand	-
Start	3450	End	3732
Name	OJ000108_37.0426.C9.o1.np	Method	AAT/NAP
Start	3450	End	3732
GI	6979329	Score	143
Exons	3450..3732		
GI Descrip.	(AF172282) unknown protein [Oryza sativa]		

Seq. No.	49540	Seq. ID	OJ000108_37.0426.C9
Gene No.	105333	Strand	-
Start	8190	End	8414
Name	OJ000108_37.0426.C9.o1.ts	Method	TBLASTX:Soybean
Start	3480	End	3680
GI	none	Score	184
Exons	3480..3680		

Seq. No.	49540	Seq. ID	OJ000108_37.0426.C9
Gene No.	105333	Strand	-
Start	8190	End	8414
Name	OJ000108_37.0426.C9.o2.np	Method	AAT/NAP
Start	8190	End	8414
GI	7228438	Score	413
Exons	8190..8414		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49541	Seq. ID	OJ000108_30.0426.C2
Gene No.	105334	Strand	+

Start	355	End	516
Name	OJ000108_30.0426.C2.o1.gs	Method	GENSCAN
Start	355	End	516
GI	none	Score	.63
Exons	355..516		

Seq. No.	49542	Seq. ID	OJ000108_30.0426.C9
Gene No.	105335	Strand	-
Start	1	End	971
Name	OJ000108_30.0426.C9.o1.gp	Method	AAT/GAP
Start	1	End	971
GI	1631793	Score	326
Exons	1..107, 886..971		

Seq. No.	49543	Seq. ID	OJ000108_30.0426.C12
Gene No.	105336	Strand	-
Start	1	End	1532
Name	OJ000108_30.0426.C12.o1.np	Method	AAT/NAP
Start	1	End	1532
GI	6069659	Score	123
Exons	1..53, 203..363, 1469..1532		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49543	Seq. ID	OJ000108_30.0426.C12
Gene No.	105336	Strand	-
Start	1	End	1532
Name	OJ000108_30.0426.C12.o1.gs	Method	GENSCAN
Start	462	End	1040
GI	none	Score	.76
Exons	462..550, 665..793, 881..1040		

Seq. No.	49543	Seq. ID	OJ000108_30.0426.C12
Gene No.	105336	Strand	-
Start	1	End	1532
Name	OJ000108_30.0426.C12.o2.np	Method	AAT/NAP
Start	469	End	1019
GI	6907088	Score	524
Exons	469..705, 881..1019		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49544	Seq. ID	OJ000108_30.0426.C13
Gene No.	105337	Strand	+
Start	933	End	1374
Name	OJ000108_30.0426.C13.o1.gp	Method	AAT/GAP
Start	933	End	1374
GI	uC-osflcyp123f01b1	Score	775
Exons	933..1374		
GI Descrip.	'231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]'		

Seq. No.	49544	Seq. ID	OJ000108_30.0426.C13
Gene No.	105338	Strand	-
Start	1253	End	1657
Name	OJ000108_30.0426.C13.o1.gs	Method	GENSCAN

Start	1253	End	1657
GI	none	Score	.9
Exons	1253..1657		

Seq. No.	49545	Seq. ID	OJ000108_30.0426.C20
Gene No.	105339	Strand	-
Start	369	End	659
Name	OJ000108_30.0426.C20.o1.gs	Method	GENSCAN
Start	369	End	659
GI	none	Score	.96
Exons	369..659		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o1.np	Method	AAT/NAP
Start	1	End	4182
GI	7228457	Score	1588
Exons	1..41, 209..1024, 1082..2685, 4130..4182		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o1.gs	Method	GENSCAN
Start	180	End	8849
GI	none	Score	.57
Exons	180..605, 710..874, 962..2346, 2394..2547, 2588..3992, 4052..4125, 4270..5028, 6569..6698, 6815..6997, 7136..7636, 7965..8158, 8215..8410, 8500..8520, 8526..8849		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o1.tw	Method	TBLASTX:Wheat
Start	210	End	566
GI	none	Score	131
Exons	210..554, 210..566		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o5.tm	Method	TBLASTX:Maize
Start	210	End	431
GI	none	Score	198
Exons	210..431		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o4.tm	Method	TBLASTX:Maize
Start	435	End	790
GI	none	Score	110
Exons	435..635, 436..627, 596..790, 609..728, 632..736		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o5.tw	Method	TBLASTX:Wheat
Start	567	End	799
GI	none	Score	64
Exons	567..635, 568..624, 605..799, 606..797, 629..799		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o2.tw	Method	TBLASTX:Wheat
Start	800	End	1567
GI	none	Score	134
Exons	800..1054, 804..965, 1112..1348, 1122..1346, 1385..1567, 1386..1559		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o3.np	Method	AAT/NAP
Start	1602	End	8959
GI	1091678	Score	381
Exons	1602..1679, 4604..5064, 6500..6698, 6815..6997, 7082..7233, 8828..8959		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o4.tw	Method	TBLASTX:Wheat
Start	2150	End	2547
GI	none	Score	124
Exons	2150..2374, 2371..2547		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o2.np	Method	AAT/NAP
Start	2482	End	4565
GI	7523517	Score	298
Exons	2482..2503, 4071..4125, 4270..4565		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o2.tm	Method	TBLASTX:Maize
Start	4620	End	4890
GI	none	Score	151
Exons	4620..4811, 4651..4890, 4652..4888, 4654..4890		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o3.tw	Method	TBLASTX:Wheat
Start	4756	End	5076

GI	none	Score	200
Exons	4756..5076, 4778..5068		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o3.tm	Method	TBLASTX:Maize
Start	6500	End	6706
GI	none	Score	182
Exons	6500..6706, 6501..6701		

Seq. No.	49546	Seq. ID	OJ000108_30.0426.C29
Gene No.	105340	Strand	-
Start	1	End	8959
Name	OJ000108_30.0426.C29.o1.tm	Method	TBLASTX:Maize
Start	6824	End	7494
GI	none	Score	84
Exons	6824..6886, 6825..6887, 6826..6888, 6829..6891, 6883..6999, 6884..6958, 7072..7308, 7079..7489, 7081..7494		

Seq. No.	49547	Seq. ID	OJ000108_30.0426.C30
Gene No.	105341	Strand	-
Start	1354	End	4252
Name	OJ000108_30.0426.C30.o1.gs	Method	GENSCAN
Start	1354	End	4252
GI	none	Score	.81
Exons	1354..1578, 1812..2195, 3561..3779, 4150..4252		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105342	Strand	+
Start	172	End	435
Name	OJ000108_30.0426.C31.o1.gs	Method	GENSCAN
Start	172	End	435
GI	none	Score	.45
Exons	172..435		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105343	Strand	-
Start	161	End	794
Name	OJ000108_30.0426.C31.o1.gp	Method	AAT/GAP
Start	161	End	794
GI	none	Score	1182
Exons	161..794		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o2.tm	Method	TBLASTX:Maize
Start	163	End	626
GI	none	Score	174
Exons	163..339, 169..339, 252..347, 345..419, 346..420, 451..510, 462..491, 540..560, 570..626		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o2.gp	Method	AAT/GAP

Start	847	End	1563
GI	59683_1.R1084	Score	1147
Exons	847..1329, 1398..1563		
GI Descrip.	'2864610/emb|CAA16957| 4.0e-09 (AL021811) putative protein [Arabidopsis thaliana] >gi_4049336_emb_CAA22561.1_ (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o1.np	Method	AAT/NAP
Start	1170	End	2104
GI	5902369	Score	324
Exons	1170..1329, 1398..2104		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o1.tm	Method	TBLASTX:Maize
Start	1185	End	1645
GI	none	Score	66
Exons	1185..1244, 1193..1237, 1196..1246, 1290..1328, 1300..1329, 1398..1421, 1424..1645, 1448..1636, 1512..1619		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o2.gs	Method	GENSCAN
Start	1200	End	2104
GI	none	Score	.99
Exons	1200..1329, 1398..2104		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o1.tc	Method	TBLASTX:Cress
Start	1290	End	1645
GI	none	Score	107
Exons	1290..1325, 1430..1639, 1448..1645		

Seq. No.	49548	Seq. ID	OJ000108_30.0426.C31
Gene No.	105344	Strand	-
Start	847	End	2104
Name	OJ000108_30.0426.C31.o1.ts	Method	TBLASTX:Soybean
Start	1293	End	1645
GI	none	Score	86
Exons	1293..1328, 1430..1645, 1512..1619		

Seq. No.	49549	Seq. ID	OJ000108_30.0426.C32
Gene No.	105345	Strand	+
Start	1426	End	1542
Name	OJ000108_30.0426.C32.o1.gs	Method	GENSCAN
Start	1426	End	1542
GI	none	Score	.42
Exons	1426..1542		

Seq. No.	49550	Seq. ID	OJ000108_30.0426.C33
Gene No.	105346	Strand	+
Start	804	End	2448
Name	OJ000108_30.0426.C33.o1.np	Method	AAT/NAP
Start	804	End	2448
GI	7487141	Score	76
Exons	804..902, 2273..2448		
GI Descrip.	hypothetical protein T18B16.70 - Arabidopsis thaliana gi|2828285|emb|CAA16699.1| (AL021687) putative protein [Arabidopsis thaliana] gi|7268705|emb|CAB78912.1| (AL161550) putative protein [Arabidopsis thaliana]		

Seq. No.	49550	Seq. ID	OJ000108_30.0426.C33
Gene No.	105347	Strand	+
Start	6991	End	7088
Name	OJ000108_30.0426.C33.o1.gp	Method	AAT/GAP
Start	6991	End	7088
GI	3760640	Score	91
Exons	6991..7088		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	49550	Seq. ID	OJ000108_30.0426.C33
Gene No.	105348	Strand	-
Start	2170	End	10354
Name	OJ000108_30.0426.C33.o2.gs	Method	GENSCAN
Start	2170	End	4542
GI	none	Score	.95
Exons	2170..2475, 3468..3575, 3856..4027, 4074..4444, 4540..4542		

Seq. No.	49550	Seq. ID	OJ000108_30.0426.C33
Gene No.	105348	Strand	-
Start	2170	End	10354
Name	OJ000108_30.0426.C33.o2.np	Method	AAT/NAP
Start	2287	End	10354
GI	2708709	Score	135
Exons	2287..2406, 2475..2740, 3302..3404, 9810..10354		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		

Seq. No.	49550	Seq. ID	OJ000108_30.0426.C33
Gene No.	105349	Strand	-
Start	13069	End	13121
Name	OJ000108_30.0426.C33.o4.gs	Method	GENSCAN
Start	13069	End	13121
GI	none	Score	.7
Exons	13069..13121		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105350	Strand	+
Start	1477	End	2106
Name	OJ000108_30.0426.C34.o1.gp	Method	AAT/GAP
Start	1477	End	2106
GI	none	Score	836
Exons	1477..1681, 1763..1866, 1944..2106		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34

Gene No.	105351	Strand	+
Start	3004	End	3531
Name	OJ000108_30.0426.C34.o2.gp	Method	AAT/GAP
Start	3004	End	3531
GI	none	Score	778
Exons	3004..3418, 3509..3531		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105352	Strand	+
Start	3533	End	4505
Name	OJ000108_30.0426.C34.o3.gp	Method	AAT/GAP
Start	3533	End	4505
GI	none	Score	814
Exons	3533..3586, 4130..4505		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o1.np	Method	AAT/NAP
Start	9618	End	11646
GI	4680203	Score	2291
Exons	9618..11288, 11441..11646		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o3.tw	Method	TBLASTX:Wheat
Start	9921	End	10317
GI	none	Score	93
Exons	9921..10055, 10064..10306, 10065..10307, 10075..10317		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o1.ts	Method	TBLASTX:Soybean
Start	10238	End	10667
GI	none	Score	97
Exons	10238..10321, 10239..10313, 10314..10376, 10371..10667, 10403..10654		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o1.tc	Method	TBLASTX:Cress
Start	10400	End	10748
GI	none	Score	307
Exons	10400..10552, 10407..10748, 10601..10744		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o1.tw	Method	TBLASTX:Wheat
Start	10536	End	11005
GI	none	Score	64
Exons	10536..10592, 10544..10588, 10589..10690, 10590..10694, 10698..10796, 10703..10795, 10706..10798, 10776..11000,		

10797..11000, 10799..11005, 10901..11005

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o1.tm	Method	TBLASTX:Maize
Start	10583	End	11039
GI	none	Score	251
Exons	10583..10834, 10593..10835, 10845..11039		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o2.ts	Method	TBLASTX:Soybean
Start	10869	End	11111
GI	none	Score	213
Exons	10869..11111		

Seq. No.	49551	Seq. ID	OJ000108_30.0426.C34
Gene No.	105353	Strand	+
Start	9618	End	11646
Name	OJ000108_30.0426.C34.o2.tw	Method	TBLASTX:Wheat
Start	11144	End	11592
GI	none	Score	87
Exons	11144..11194, 11145..11207, 11193..11345, 11208..11324, 11326..11388, 11326..11394, 11327..11434, 11462..11590, 11463..11564, 11467..11592, 11468..11590		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105354	Strand	+
Start	1	End	792
Name	OJ000108_30.0426.C35.o1.np	Method	AAT/NAP
Start	1	End	771
GI	4680203	Score	711
Exons	1..771		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105354	Strand	+
Start	1	End	792
Name	OJ000108_30.0426.C35.o1.gs	Method	GENSCAN
Start	247	End	792
GI	none	Score	.7
Exons	247..647, 720..792		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105355	Strand	+
Start	3690	End	11504
Name	OJ000108_30.0426.C35.o2.np	Method	AAT/NAP
Start	3675	End	5163
GI	4680204	Score	605
Exons	3675..4828, 5137..5163		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105355	Strand	+
Start	3690	End	11504

Name	OJ000108_30.0426.C35.o3.np	Method	AAT/NAP
Start	3675	End	11504
GI	4680204	Score	921
Exons	3675..4828, 7839..8017, 8577..8680, 8772..9856, 9945..10118, 10216..10351, 10741..10904, 11456..11504		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105355	Strand	+
Start	3690	End	11504
Name	OJ000108_30.0426.C35.o3.gs	Method	GENSCAN
Start	3690	End	4913
GI	none	Score	.51
Exons	3690..4049, 4091..4399, 4695..4913		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105355	Strand	+
Start	3690	End	11504
Name	OJ000108_30.0426.C35.o5.gs	Method	GENSCAN
Start	7274	End	10968
GI	none	Score	.71
Exons	7274..7322, 8412..8680, 8751..8983, 9209..9856, 9945..10118, 10216..10306, 10591..10689, 10789..10968		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105356	Strand	+
Start	16887	End	17191
Name	OJ000108_30.0426.C35.o2.gp	Method	AAT/GAP
Start	16887	End	17161
GI	2309840	Score	508
Exons	16887..17161		
GI Descrip.	2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105356	Strand	+
Start	16887	End	17191
Name	OJ000108_30.0426.C35.o5.np	Method	AAT/NAP
Start	16991	End	17191
GI	7446371	Score	173
Exons	16991..17191		
GI Descrip.	probable serine/threonine kinase (EC 2.7.1.-) SNFL1 - sorghum gi|2632252|emb|CAA73067.1| (Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105357	Strand	-
Start	1831	End	2850
Name	OJ000108_30.0426.C35.o2.gs	Method	GENSCAN
Start	1831	End	2850
GI	none	Score	.57
Exons	1831..2037, 2332..2421, 2496..2665, 2763..2850		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105358	Strand	-
Start	5467	End	6134
Name	OJ000108_30.0426.C35.o4.gs	Method	GENSCAN

Start	5467	End	6134
GI	none	Score	.44
Exons	5467..5788, 5995..6134		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105359	Strand	-
Start	11758	End	14989
Name	OJ000108_30.0426.C35.o6.gs	Method	GENSCAN
Start	11758	End	14989
GI	none	Score	.93
Exons	11758..11862, 11946..11978, 14957..14989		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166
Name	OJ000108_30.0426.C35.o1.tw	Method	TBLASTX:Wheat
Start	2	End	711
GI	none	Score	122
Exons	2..157, 5..157, 159..302, 163..318, 312..353, 313..357, 316..357, 360..395, 364..423, 430..531, 433..549, 471..551, 555..608, 556..636, 625..711, 651..707		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166
Name	OJ000108_30.0426.C35.o2.tw	Method	TBLASTX:Wheat
Start	4271	End	4571
GI	none	Score	60
Exons	4271..4411, 4278..4571, 4308..4490		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166
Name	OJ000108_30.0426.C35.o3.tw	Method	TBLASTX:Wheat
Start	4697	End	8984
GI	none	Score	90
Exons	4697..4753, 4698..4799, 8612..8683, 8766..8984		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166
Name	OJ000108_30.0426.C35.o7.gs	Method	GENSCAN
Start	16861	End	17151
GI	none	Score	.78
Exons	16861..17151		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166
Name	OJ000108_30.0426.C35.o1.tm	Method	TBLASTX:Maize
Start	16996	End	17166
GI	none	Score	251
Exons	16996..17166, 16997..17164		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166

Name	OJ000108_30.0426.C35.o1.tc	Method	TBLASTX:Cress
Start	17008	End	17164
GI	none	Score	186
Exons	17008..17142, 17009..17164		

Seq. No.	49552	Seq. ID	OJ000108_30.0426.C35
Gene No.	105360	Strand	-
Start	16861	End	17166
Name	OJ000108_30.0426.C35.o1.ts	Method	TBLASTX:Soybean
Start	17009	End	17164
GI	none	Score	186
Exons	17009..17164, 17014..17130		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105361	Strand	+
Start	143	End	7109
Name	OJ000108_30.0426.C36.o1.np	Method	AAT/NAP
Start	143	End	4713
GI	7453645	Score	1064
Exons	143..268, 704..805, 926..1004, 1263..1363, 1457..1531, 1616..1669, 2169..2294, 2422..2511, 2865..2987, 3073..3192, 3977..4093, 4177..4233, 4337..4411, 4621..4713		
GI Descrip.	(AF237670) serine/threonine protein kinase SOS2 [Arabidopsis thaliana]		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105361	Strand	+
Start	143	End	7109
Name	OJ000108_30.0426.C36.o1.gp	Method	AAT/GAP
Start	740	End	986
GI	2309840	Score	169
Exons	740..805, 926..986		
GI Descrip.	2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105361	Strand	+
Start	143	End	7109
Name	OJ000108_30.0426.C36.o1.gs	Method	GENSCAN
Start	926	End	7109
GI	none	Score	.83
Exons	926..997, 1256..1363, 2169..2294, 2422..2431, 2465..2511, 2865..2987, 3073..3192, 3977..4093, 4177..4233, 4337..4411, 6299..6352, 7050..7109		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105361	Strand	+
Start	143	End	7109
Name	OJ000108_30.0426.C36.o2.gp	Method	AAT/GAP
Start	1317	End	4237
GI	17868_1.R1084	Score	1405
Exons	1317..1363, 1457..1531, 1616..1669, 2169..2294, 2422..2511, 2865..2987, 3073..3192, 3977..4093, 4177..4237		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36

Gene No.	105362	Strand	+
Start	7338	End	8549
Name	OJ000108_30.0426.C36.o4.gp	Method	AAT/GAP
Start	7338	End	8549
GI	15630_1.R1084	Score	2313
Exons	7338..8549		
GI Descrip.	'4432860/gb|AAD20708| 9.0e-28 (AC006300) putative glucose-induced repressor protein [Arabidopsis thaliana]'		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105363	Strand	-
Start	4730	End	5209
Name	OJ000108_30.0426.C36.o3.gp	Method	AAT/GAP
Start	4730	End	5209
GI	none	Score	879
Exons	4730..5209		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o2.tm	Method	TBLASTX:Maize
Start	722	End	3171
GI	none	Score	108
Exons	722..808, 740..808, 742..810, 904..999, 925..999, 926..1003, 1258..1362, 1259..1363, 1261..1374, 1453..1518, 1455..1517, 1457..1528, 1577..1672, 1613..1672, 1617..1676, 2163..2297, 2164..2298, 2167..2295, 2169..2318, 2413..2511, 2418..2510, 2418..2519, 2419..2511, 2865..2987, 2865..2987, 2866..2988, 2866..2988, 3067..3171, 3072..3170		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o2.tc	Method	TBLASTX:Cress
Start	739	End	2276
GI	none	Score	82
Exons	739..807, 740..808, 925..999, 926..1000, 1265..1363, 1276..1359, 1456..1551, 1457..1534, 1622..1672, 1622..1669, 2168..2248, 2169..2276		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o2.ts	Method	TBLASTX:Soybean
Start	739	End	3192
GI	none	Score	85
Exons	739..807, 740..808, 926..1000, 940..999, 1261..1362, 1265..1363, 1453..1542, 1457..1534, 1622..1672, 2163..2294, 2169..2318, 2419..2511, 2865..2987, 3115..3192		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o3.tm	Method	TBLASTX:Maize
Start	3974	End	4739
GI	none	Score	177
Exons	3974..4093, 3976..4095, 3977..4096, 4175..4234, 4176..4235,		

4178..4252, 4179..4253, 4334..4411, 4336..4416, 4336..4410,
4591..4719, 4619..4717, 4620..4739, 4620..4718, 4651..4728

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o3.ts	Method	TBLASTX:Soybean
Start	3977	End	4695
GI	none	Score	165
Exons	3977..4096, 3982..4098, 3992..4114, 4174..4257, 4185..4250, 4334..4411, 4336..4410, 4618..4695		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o1.tm	Method	TBLASTX:Maize
Start	7352	End	9900
GI	none	Score	108
Exons	7352..7456, 7354..7473, 7381..7467, 7830..7859, 7869..7958, 7869..7958, 7870..7959, 7884..7967, 7924..8019, 8046..8090, 8052..8090, 8053..8094, 8059..8103, 8112..8171, 8121..8189, 8128..8196, 8132..8197, 8146..8715, 8164..8346, 8189..8716, 8189..8569, 8197..8715, 8350..8481, 8350..8457, 8542..8700, 8548..8703, 8563..8697, 8566..8775, 8596..9018, 8690..9244, 8719..9243, 8785..9069, 8833..9030, 8893..9015, 9193..9453, 9202..9426, 9208..9420, 9226..9330, 9236..9454, 9244..9648, 9248..9598, 9274..9393, 9274..9516, 9280..9417, 9301..9531, 9304..9411, 9337..9534, 9343..9495, 9349..9513, 9436..9534, 9493..9555, 9503..9601, 9850..9900		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o2.gs	Method	GENSCAN
Start	8128	End	10080
GI	none	Score	.75
Exons	8128..10080		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o2.np	Method	AAT/NAP
Start	8131	End	10615
GI	4432860	Score	1292
Exons	8131..9663, 9721..9909, 10549..10615		
GI Descrip.	(AC006300) putative glucose regulated repressor protein [Arabidopsis thaliana]		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o1.ts	Method	TBLASTX:Soybean
Start	8200	End	9897
GI	none	Score	333
Exons	8200..8856, 8213..8836, 8350..8502, 8359..8454, 8539..8700, 8566..8703, 8569..8658, 8641..8703, 8785..9024, 8800..9036, 8839..9261, 8860..9003, 8917..9165, 8939..9247, 9193..9453,		

9202..9342, 9202..9300, 9235..9420, 9262..9648, 9263..9643,
9271..9411, 9301..9498, 9304..9411, 9343..9489, 9376..9477,
9379..9537, 9439..9546, 9496..9531, 9763..9897

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o1.tc	Method	TBLASTX:Cress
Start	8257	End	9537
GI	none	Score	436
Exons	8257..8454, 8350..8457, 8350..8457, 8356..8463, 8467..8535, 8539..8700, 8545..9531, 8546..9532, 9169..9339, 9178..9456, 9337..9537		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o1.tw	Method	TBLASTX:Wheat
Start	8569	End	9232
GI	none	Score	298
Exons	8569..8658, 9005..9232, 9005..9220, 9010..9228		

Seq. No.	49553	Seq. ID	OJ000108_30.0426.C36
Gene No.	105364	Strand	-
Start	8128	End	10615
Name	OJ000108_30.0426.C36.o5.gp	Method	AAT/GAP
Start	9964	End	10228
GI	LIB3475-007-P1-K1-H1	Score	296
Exons	9964..10097, 10179..10228		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	49554	Seq. ID	OJ000108_30.0426.C37
Gene No.	105365	Strand	-
Start	1654	End	4666
Name	OJ000108_30.0426.C37.o1.gs	Method	GENSCAN
Start	1654	End	4666
GI	none	Score	.46
Exons	1654..1728, 1872..2327, 3572..3667, 4613..4666		

Seq. No.	49555	Seq. ID	OJ000108_30.0426.C39
Gene No.	105366	Strand	+
Start	526	End	4430
Name	OJ000108_30.0426.C39.o1.gs	Method	GENSCAN
Start	526	End	4430
GI	none	Score	.5
Exons	526..558, 1511..1594, 3051..3130, 3177..3226, 3260..3429, 4290..4430		

Seq. No.	49555	Seq. ID	OJ000108_30.0426.C39
Gene No.	105367	Strand	-
Start	5549	End	5659
Name	OJ000108_30.0426.C39.o2.gs	Method	GENSCAN
Start	5549	End	5659
GI	none	Score	.85
Exons	5549..5659		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105368	Strand	+
Start	356	End	658
Name	OJ000108_30.0426.C40.o1.gs	Method	GENSCAN
Start	356	End	658
GI	none	Score	.98
Exons	356..658		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105369	Strand	+
Start	851	End	15111
Name	OJ000108_30.0426.C40.o2.gs	Method	GENSCAN
Start	851	End	7698
GI	none	Score	.8
Exons	851..1015, 1359..1499, 2155..2266, 2367..2503, 3134..3201, 3358..3841, 6574..7312, 7379..7698		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105369	Strand	+
Start	851	End	15111
Name	OJ000108_30.0426.C40.o1.np	Method	AAT/NAP
Start	3410	End	15111
GI	4877649	Score	403
Exons	3410..3524, 3582..3841, 6574..6800, 15062..15111		
GI Descrip.	(AF114162) gibberellin MYB transcription factor [Lolium temulentum]		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105369	Strand	+
Start	851	End	15111
Name	OJ000108_30.0426.C40.o2.np	Method	AAT/NAP
Start	5037	End	8698
GI	7438355	Score	92
Exons	5037..5074, 6574..6665, 8677..8698		
GI Descrip.	myb-related protein - barley gi|1200239|emb|CAA61021.1| (X87690) GAMyb protein [Hordeum vulgare]		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105369	Strand	+
Start	851	End	15111
Name	OJ000108_30.0426.C40.o1.gp	Method	AAT/GAP
Start	7672	End	7841
GI	2796906	Score	309
Exons	7672..7841		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105370	Strand	-
Start	9970	End	11819
Name	OJ000108_30.0426.C40.o3.gs	Method	GENSCAN
Start	9970	End	11819
GI	none	Score	.83
Exons	9970..10668, 11655..11819		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105371	Strand	-
Start	14118	End	14227
Name	OJ000108_30.0426.C40.o1.tw	Method	TBLASTX:Wheat

Start	3584	End	6627
GI	none	Score	285
Exons	3584..3835, 3589..3834, 6577..6627		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105371	Strand	-
Start	14118	End	14227
Name	OJ000108_30.0426.C40.o1.tc	Method	TBLASTX:Cress
Start	3589	End	6639
GI	none	Score	329
Exons	3589..3834, 3590..3838, 6577..6639		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105371	Strand	-
Start	14118	End	14227
Name	OJ000108_30.0426.C40.o1.ts	Method	TBLASTX:Soybean
Start	3589	End	3835
GI	none	Score	312
Exons	3589..3612, 3590..3835, 3649..3759		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105371	Strand	-
Start	14118	End	14227
Name	OJ000108_30.0426.C40.o1.tm	Method	TBLASTX:Maize
Start	3590	End	6630
GI	none	Score	294
Exons	3590..3835, 3595..3834, 6570..6617, 6577..6630		

Seq. No.	49556	Seq. ID	OJ000108_30.0426.C40
Gene No.	105371	Strand	-
Start	14118	End	14227
Name	OJ000108_30.0426.C40.o4.gs	Method	GENSCAN
Start	14118	End	14227
GI	none	Score	.49
Exons	14118..14227		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105372	Strand	+
Start	1311	End	1694
Name	OJ000108_30.0426.C41.o1.gp	Method	AAT/GAP
Start	1311	End	1694
GI	uC-osflcyp033a04b1	Score	655
Exons	1311..1694		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105373	Strand	+
Start	4093	End	6009
Name	OJ000108_30.0426.C41.o2.gs	Method	GENSCAN
Start	4093	End	5988
GI	none	Score	.58
Exons	4093..4162, 4272..4412, 4605..4943, 5109..5233, 5301..5492, 5563..5621, 5677..5862, 5907..5988		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105373	Strand	+

Start	4093	End	6009
Name	OJ000108_30.0426.C41.o4.np	Method	AAT/NAP
Start	4313	End	6009
GI	6721558	Score	269
Exons	4313..4412, 5109..5233, 5911..6009		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105373	Strand	+
Start	4093	End	6009
Name	OJ000108_30.0426.C41.o5.np	Method	AAT/NAP
Start	5237	End	6009
GI	6721561	Score	639
Exons	5237..5492, 5563..5621, 5687..6009		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105374	Strand	-
Start	1	End	3358
Name	OJ000108_30.0426.C41.o1.np	Method	AAT/NAP
Start	1	End	1613
GI	5852180	Score	538
Exons	1..393, 446..562, 1543..1613		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105374	Strand	-
Start	1	End	3358
Name	OJ000108_30.0426.C41.o1.gs	Method	GENSCAN
Start	144	End	3358
GI	none	Score	.56
Exons	144..447, 1291..1446, 1543..1596, 3109..3358		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105375	Strand	-
Start	3369	End	3902
Name	OJ000108_30.0426.C41.o2.tm	Method	TBLASTX:Maize
Start	2619	End	2971
GI	none	Score	100
Exons	2619..2657, 2773..2949, 2777..2932, 2777..2971, 2778..2969		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105375	Strand	-
Start	3369	End	3902
Name	OJ000108_30.0426.C41.o1.ts	Method	TBLASTX:Soybean
Start	2792	End	3005
GI	none	Score	150
Exons	2792..2995, 2793..3005		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105375	Strand	-

Start	3369	End	3902
Name	OJ000108_30.0426.C41.o1.tm	Method	TBLASTX:Maize
Start	2975	End	3409
GI	none	Score	88
Exons	2975..3100, 2975..3049, 3025..3099, 3110..3409, 3267..3395		

Seq. No.	49557	Seq. ID	OJ000108_30.0426.C41
Gene No.	105375	Strand	-
Start	3369	End	3902
Name	OJ000108_30.0426.C41.o3.np	Method	AAT/NAP
Start	3369	End	3902
GI	7523517	Score	252
Exons	3369..3463, 3608..3902		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105376	Strand	+
Start	299	End	798
Name	OJ000108_30.0426.C42.o1.gs	Method	GENSCAN
Start	299	End	798
GI	none	Score	.76
Exons	299..798		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105377	Strand	-
Start	6910	End	11373
Name	OJ000108_30.0426.C42.o1.np	Method	AAT/NAP
Start	6910	End	11373
GI	4680179	Score	5647
Exons	6910..10290, 10318..11373		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o6.tw	Method	TBLASTX:Wheat
Start	1441	End	2007
GI	none	Score	67
Exons	1441..1572, 1442..1567, 1597..2007, 1793..1900		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o8.tm	Method	TBLASTX:Maize
Start	1477	End	1743
GI	none	Score	51
Exons	1477..1560, 1511..1570, 1555..1674, 1561..1743		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o2.tw	Method	TBLASTX:Wheat
Start	2210	End	8457
GI	none	Score	152
Exons	2210..2287, 2294..2494, 7920..8201, 7921..8457, 7925..8278		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42

Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o5.tm	Method	TBLASTX:Maize
Start	2249	End	2554
GI	none	Score	154
Exons	2249..2554, 2250..2537		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o9.tw	Method	TBLASTX:Wheat
Start	3056	End	3463
GI	none	Score	41
Exons	3056..3121, 3056..3229, 3237..3410, 3239..3424, 3239..3463		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o5.tw	Method	TBLASTX:Wheat
Start	3578	End	9202
GI	none	Score	65
Exons	3578..3889, 3654..3887, 8914..9174, 8915..9178, 9110..9202		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o6.tm	Method	TBLASTX:Maize
Start	3614	End	9162
GI	none	Score	146
Exons	3614..3889, 8848..9162, 8849..9127		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o1.ts	Method	TBLASTX:Soybean
Start	3692	End	9324
GI	none	Score	185
Exons	3692..3889, 8929..9174, 8939..9172, 9235..9288, 9245..9286, 9292..9324, 9292..9324		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o7.tw	Method	TBLASTX:Wheat
Start	6955	End	7288
GI	none	Score	130
Exons	6955..7287, 7007..7288		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o1.tm	Method	TBLASTX:Maize
Start	7150	End	7735
GI	none	Score	109
Exons	7150..7575, 7151..7348, 7171..7416, 7403..7576, 7571..7720, 7573..7734, 7580..7735		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o1.tw	Method	TBLASTX:Wheat
Start	7288	End	7914
GI	none	Score	44
Exons	7288..7914, 7289..7348, 7406..7858		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o3.tm	Method	TBLASTX:Maize
Start	7783	End	8075
GI	none	Score	302
Exons	7783..8073, 7787..8074, 7974..8075		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o2.ts	Method	TBLASTX:Soybean
Start	7873	End	8133
GI	none	Score	188
Exons	7873..8133, 7874..8122		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o1.tc	Method	TBLASTX:Cress
Start	7897	End	8223
GI	none	Score	82
Exons	7897..8040, 7898..8038, 8041..8223		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o2.tm	Method	TBLASTX:Maize
Start	8488	End	8841
GI	none	Score	191
Exons	8488..8841, 8495..8836		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o3.tw	Method	TBLASTX:Wheat
Start	8488	End	8913
GI	none	Score	211
Exons	8488..8838, 8488..8913, 8495..8911		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o3.ts	Method	TBLASTX:Soybean
Start	8659	End	8907
GI	none	Score	207
Exons	8659..8907		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42

Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o4.tm	Method	TBLASTX:Maize
Start	9235	End	9678
GI	none	Score	61
Exons	9235..9678, 9440..9607		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o4.tw	Method	TBLASTX:Wheat
Start	9265	End	9748
GI	none	Score	189
Exons	9265..9747, 9268..9723, 9308..9748		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o4.ts	Method	TBLASTX:Soybean
Start	9397	End	9711
GI	none	Score	190
Exons	9397..9711		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o9.tm	Method	TBLASTX:Maize
Start	9679	End	9876
GI	none	Score	160
Exons	9679..9876, 9680..9838		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o10.tw	Method	TBLASTX:Wheat
Start	9880	End	10233
GI	none	Score	253
Exons	9880..10233		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o8.tw	Method	TBLASTX:Wheat
Start	10567	End	10920
GI	none	Score	65
Exons	10567..10917, 10723..10920		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o7.tm	Method	TBLASTX:Maize
Start	10612	End	10917
GI	none	Score	75
Exons	10612..10917, 10681..10917		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-

Start	11596	End	12393
Name	OJ000108_30.0426.C42.o11.tw	Method	TBLASTX:Wheat
Start	10969	End	11167
GI	none	Score	57
Exons	10969..11163, 10969..11166, 10970..11167		

Seq. No.	49558	Seq. ID	OJ000108_30.0426.C42
Gene No.	105378	Strand	-
Start	11596	End	12393
Name	OJ000108_30.0426.C42.o2.np	Method	AAT/NAP
Start	11596	End	12393
GI	4512231	Score	1342
Exons	11596..12393		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	49559	Seq. ID	OJ000108_39.0426.C2
Gene No.	105379	Strand	+
Start	65	End	463
Name	OJ000108_39.0426.C2.o1.gs	Method	GENSCAN
Start	65	End	463
GI	none	Score	.98
Exons	65..463		

Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105380	Strand	+
Start	1	End	6560
Name	OJ000108_39.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	2976
GI	5852175	Score	278
Exons	1..74, 568..616, 1202..1303, 1928..1960, 2928..2976		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105380	Strand	+
Start	1	End	6560
Name	OJ000108_39.0426.C5.o1.gs	Method	GENSCAN
Start	593	End	3850
GI	none	Score	.85
Exons	593..616, 1202..1303, 1928..1960, 2207..2256, 2636..3323, 3423..3568, 3818..3850		

Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105380	Strand	+
Start	1	End	6560
Name	OJ000108_39.0426.C5.o2.gp	Method	AAT/GAP
Start	1814	End	2149
GI	61605_3.R1084	Score	333
Exons	1814..2149		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105380	Strand	+
Start	1	End	6560
Name	OJ000108_39.0426.C5.o2.np	Method	AAT/NAP
Start	2636	End	6560
GI	6983860	Score	962

Exons	2636..3679, 6539..6560		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105380	Strand	+
Start	1	End	6560
Name	OJ000108_39.0426.C5.o3.np	Method	AAT/NAP
Start	2939	End	6106
GI	6063554	Score	116
Exons	2939..2970, 4627..4806, 4925..5146, 5888..6106		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105381	Strand	+
Start	9848	End	10652
Name	OJ000108_39.0426.C5.o6.np	Method	AAT/NAP
Start	9848	End	10652
GI	6721561	Score	62
Exons	9848..9917, 10032..10153, 10590..10652		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105382	Strand	-
Start	4432	End	10069
Name	OJ000108_39.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	2798	End	3154
GI	none	Score	290
Exons	2798..3154, 2807..2971, 3005..3145, 3013..3153		
Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105382	Strand	-
Start	4432	End	10069
Name	OJ000108_39.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	3035	End	3331
GI	none	Score	242
Exons	3035..3331, 3061..3222, 3263..3331		
Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105382	Strand	-
Start	4432	End	10069
Name	OJ000108_39.0426.C5.o2.tw	Method	TBLASTX:Wheat
Start	3154	End	3331
GI	none	Score	177
Exons	3154..3228, 3155..3331		
Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105382	Strand	-
Start	4432	End	10069
Name	OJ000108_39.0426.C5.o2.gs	Method	GENSCAN
Start	4432	End	10069

GI	none	Score	.62
Exons	4432..5258, 5299..6184, 8042..8088, 8432..8603, 8740..8830, 9338..9458, 9890..10069		

Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105382	Strand	-
Start	4432	End	10069
Name	OJ000108_39.0426.C5.o4.np	Method	AAT/NAP
Start	5243	End	6118
GI	5042448	Score	1287
Exons	5243..6118		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	49560	Seq. ID	OJ000108_39.0426.C5
Gene No.	105382	Strand	-
Start	4432	End	10069
Name	OJ000108_39.0426.C5.o5.np	Method	AAT/NAP
Start	6679	End	9279
GI	7340881	Score	482
Exons	6679..6709, 6814..6920, 8354..8633, 8711..8830, 8924..9047, 9194..9279		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	4477
GI	4680179	Score	7629
Exons	1..4477		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o6.tw	Method	TBLASTX:Wheat
Start	2	End	292
GI	none	Score	82
Exons	2..292, 3..200, 185..265		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o1.gs	Method	GENSCAN
Start	50	End	5484
GI	none	Score	.55
Exons	50..888, 949..4477, 4625..4668, 4725..5484		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	140	End	739
GI	none	Score	258
Exons	140..580, 153..578, 578..739, 585..731		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o1.tw	Method	TBLASTX:Wheat
Start	293	End	919
GI	none	Score	353
Exons	293..919, 294..917		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o4.tm	Method	TBLASTX:Maize
Start	788	End	1079
GI	none	Score	219
Exons	788..1078, 792..1079		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o2.ts	Method	TBLASTX:Soybean
Start	878	End	1138
GI	none	Score	154
Exons	878..1138, 879..1133		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	902	End	1219
GI	none	Score	87
Exons	902..1045, 903..1043, 1046..1219		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o3.tw	Method	TBLASTX:Wheat
Start	926	End	1405
GI	none	Score	304
Exons	926..1405, 927..1334, 1046..1372		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o2.tw	Method	TBLASTX:Wheat
Start	1409	End	1919
GI	none	Score	238
Exons	1409..1918, 1493..1840, 1494..1919, 1575..1886		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	1481	End	1846
GI	none	Score	160
Exons	1481..1792, 1493..1846, 1578..1844		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6

Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o3.ts	Method	TBLASTX:Soybean
Start	1667	End	1912
GI	none	Score	202
Exons	1667..1912		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o3.tm	Method	TBLASTX:Maize
Start	1883	End	2383
GI	none	Score	43
Exons	1883..2218, 1926..1976, 2003..2131, 2204..2383		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o5.tw	Method	TBLASTX:Wheat
Start	1920	End	2221
GI	none	Score	229
Exons	1920..2189, 1925..2221, 2119..2220		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	1934	End	2329
GI	none	Score	162
Exons	1934..2293, 1935..2189, 2249..2293, 2285..2329, 2297..2329		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o4.tw	Method	TBLASTX:Wheat
Start	2270	End	2752
GI	none	Score	160
Exons	2270..2752, 2279..2623, 2313..2648		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o4.ts	Method	TBLASTX:Soybean
Start	2402	End	2716
GI	none	Score	60
Exons	2402..2716, 2403..2600		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o5.tm	Method	TBLASTX:Maize
Start	2451	End	2740
GI	none	Score	165
Exons	2451..2642, 2453..2740		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-

Start	1	End	5499
Name	OJ000108_39.0426.C6.o8.tw	Method	TBLASTX:Wheat
Start	2909	End	3331
GI	none	Score	109
Exons	2909..3100, 2916..3071, 3122..3331, 3183..3281		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o6.tm	Method	TBLASTX:Maize
Start	3674	End	3970
GI	none	Score	103
Exons	3674..3970, 3716..3970, 3783..3953		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o7.tw	Method	TBLASTX:Wheat
Start	3854	End	4210
GI	none	Score	93
Exons	3854..4210, 3858..4085, 4110..4184		

Seq. No.	49561	Seq. ID	OJ000108_39.0426.C6
Gene No.	105383	Strand	-
Start	1	End	5499
Name	OJ000108_39.0426.C6.o2.np	Method	AAT/NAP
Start	4732	End	5499
GI	5042448	Score	1080
Exons	4732..5499		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	49562	Seq. ID	OJ000108_39.0426.C7
Gene No.	105384	Strand	+
Start	760	End	1172
Name	OJ000108_39.0426.C7.o1.gp	Method	AAT/GAP
Start	760	End	1172
GI	LIB3432-059-P1-K1-D8	Score	715
Exons	760..1172		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	49562	Seq. ID	OJ000108_39.0426.C7
Gene No.	105385	Strand	-
Start	1252	End	2470
Name	OJ000108_39.0426.C7.o2.gp	Method	AAT/GAP
Start	1252	End	2470
GI	none	Score	276
Exons	1252..1318, 2379..2470		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105386	Strand	+
Start	1761	End	2368
Name	OJ000108_39.0426.C8.o1.gs	Method	GENSCAN
Start	1761	End	2368
GI	none	Score	.44
Exons	1761..1920, 2352..2368		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105387	Strand	+
Start	4478	End	6852
Name	OJ000108_39.0426.C8.o3.gs	Method	GENSCAN
Start	4478	End	5270
GI	none	Score	.63
Exons	4478..4885, 5085..5270		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105387	Strand	+
Start	4478	End	6852
Name	OJ000108_39.0426.C8.o3.np	Method	AAT/NAP
Start	4943	End	6852
GI	6498441	Score	724
Exons	4943..4972, 6142..6852		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105387	Strand	+
Start	4478	End	6852
Name	OJ000108_39.0426.C8.o4.gs	Method	GENSCAN
Start	6263	End	6845
GI	none	Score	.72
Exons	6263..6456, 6467..6845		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o2.gs	Method	GENSCAN
Start	2776	End	3756
GI	none	Score	.51
Exons	2776..3756		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	2818	End	3639
GI	none	Score	69
Exons	2818..2970, 2819..2923, 2992..3135, 3154..3321, 3532..3639		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o2.np	Method	AAT/NAP
Start	2902	End	6218
GI	4557093	Score	119
Exons	2902..2925, 4834..5024, 6119..6218		
GI Descrip.	(AF001136) zinc finger protein [Pinus radiata]		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o1.np	Method	AAT/NAP

Start	2970	End	3667
GI	4220888	Score	271
Exons	2970..3667		
GI Descrip.	(AF078798) extracellular signal-regulated kinase 7; ERK7 [Rattus norvegicus]		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	2992	End	3321
GI	none	Score	140
Exons	2992..3126, 3154..3321		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	2992	End	3609
GI	none	Score	76
Exons	2992..3330, 3026..3145, 3182..3265, 3358..3447, 3532..3609		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	2992	End	3319
GI	none	Score	83
Exons	2992..3318, 2998..3102, 3032..3319		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o2.tw	Method	TBLASTX:Wheat
Start	3394	End	4541
GI	none	Score	154
Exons	3394..3669, 3395..3670, 4464..4541		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105388	Strand	-
Start	2776	End	6218
Name	OJ000108_39.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	4817	End	5096
GI	none	Score	59
Exons	4817..4867, 4825..4866, 4849..4926, 4865..4990, 4880..5014, 4881..4997, 4904..4939, 5037..5096, 5039..5092		

Seq. No.	49563	Seq. ID	OJ000108_39.0426.C8
Gene No.	105389	Strand	
Start	6144	End	6496
Name	OJ000108_39.0426.C8.o3.tw	Method	TBLASTX:Wheat
Start	6144	End	6496
GI	none	Score	95
Exons	6144..6233, 6148..6231, 6157..6243, 6241..6462, 6251..6496		

Seq. No.	49564	Seq. ID	OJ000108_39.0426.C9
Gene No.	105390	Strand	+

Start	2648	End	3663
Name	OJ000108_39.0426.C9.o3.gs	Method	GENSCAN
Start	2648	End	3663
GI	none	Score	.7
Exons	2648..2676, 2923..3068, 3107..3339, 3529..3663		

Seq. No.	49564	Seq. ID	OJ000108_39.0426.C9
Gene No.	105391	Strand	-
Start	4089	End	5685
Name	OJ000108_39.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	2164	End	2442
GI	none	Score	50
Exons	2164..2238, 2165..2239, 2248..2442, 2267..2413		

Seq. No.	49564	Seq. ID	OJ000108_39.0426.C9
Gene No.	105391	Strand	-
Start	4089	End	5685
Name	OJ000108_39.0426.C9.o4.gs	Method	GENSCAN
Start	4089	End	5685
GI	none	Score	.65
Exons	4089..4426, 5583..5685		

Seq. No.	49565	Seq. ID	OJ000108_39.0426.C10
Gene No.	105392	Strand	-
Start	266	End	1592
Name	OJ000108_39.0426.C10.o1.gs	Method	GENSCAN
Start	266	End	1592
GI	none	Score	.85
Exons	266..438, 1458..1592		

Seq. No.	49566	Seq. ID	OJ000108_39.0426.C11
Gene No.	105393	Strand	+
Start	718	End	813
Name	OJ000108_39.0426.C11.o1.gs	Method	GENSCAN
Start	718	End	813
GI	none	Score	.87
Exons	718..813		

Seq. No.	49567	Seq. ID	OJ000108_39.0426.C12
Gene No.	105394	Strand	+
Start	138	End	1863
Name	OJ000108_39.0426.C12.o1.gs	Method	GENSCAN
Start	138	End	1781
GI	none	Score	.9
Exons	138..262, 1390..1530, 1624..1781		

Seq. No.	49567	Seq. ID	OJ000108_39.0426.C12
Gene No.	105394	Strand	+
Start	138	End	1863
Name	OJ000108_39.0426.C12.o1.np	Method	AAT/NAP
Start	174	End	1863
GI	7452058	Score	128
Exons	174..262, 1624..1782, 1816..1863		
GI Descrip.	hypothetical protein T9A14.40 - Arabidopsis thaliana gi|4490328|emb|CAB38610.1| (AL035656) putative protein [Arabidopsis thaliana] gi|7270859|emb|CAB80539.1| (AL161594) putative protein [Arabidopsis thaliana]		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o1.np	Method	AAT/NAP
Start	1	End	3020
GI	4680179	Score	3704
Exons	1..2559, 2587..3020		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o6.tw	Method	TBLASTX:Wheat
Start	1	End	162
GI	none	Score	146
Exons	1..162, 8..157		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o2.tm	Method	TBLASTX:Maize
Start	31	End	322
GI	none	Score	295
Exons	31..321, 35..322		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o2.ts	Method	TBLASTX:Soybean
Start	121	End	381
GI	none	Score	200
Exons	121..381, 122..370		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o1.tw	Method	TBLASTX:Wheat
Start	168	End	708
GI	none	Score	111
Exons	168..413, 169..708, 173..667		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o1.gs	Method	GENSCAN
Start	388	End	3018
GI	none	Score	.41
Exons	388..1045, 1051..1354, 1423..1484, 1630..1832, 1852..2696, 2838..3018		

Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	736	End	1050
GI	none	Score	164

Exons	736..1050, 743..1045		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o2.tw	Method	TBLASTX:Wheat
Start	736	End	1160
GI	none	Score	240
Exons	736..1050, 743..1042, 1021..1158, 1047..1160		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o3.tm	Method	TBLASTX:Maize
Start	1125	End	1619
GI	none	Score	100
Exons	1125..1427, 1246..1374, 1482..1619		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o4.tw	Method	TBLASTX:Wheat
Start	1161	End	1452
GI	none	Score	276
Exons	1161..1424, 1162..1452, 1370..1444		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	1176	End	1571
GI	none	Score	200
Exons	1176..1535, 1186..1434, 1206..1517, 1483..1533, 1539..1571, 1540..1569		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o3.tw	Method	TBLASTX:Wheat
Start	1512	End	1996
GI	none	Score	221
Exons	1512..1850, 1555..1845, 1563..1847, 1640..1927, 1831..1995, 1835..1996		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o4.tm	Method	TBLASTX:Maize
Start	1693	End	1986
GI	none	Score	119
Exons	1693..1842, 1695..1850, 1722..1847, 1831..1986, 1850..1984		
Seq. No.	49568	Seq. ID	OJ000108_39.0426.C14
Gene No.	105395	Strand	-
Start	1	End	3020
Name	OJ000108_39.0426.C14.o5.tw	Method	TBLASTX:Wheat
Start	2128	End	2481

GI	none	Score	62
Exons	2128..2481, 2203..2391		

Seq. No.	49569	Seq. ID	OJ000108_39.0426.C16
Gene No.	105396	Strand	+
Start	1	End	2030
Name	OJ000108_39.0426.C16.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	4680186	Score	346
Exons	1..36, 89..142, 980..1180		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49569	Seq. ID	OJ000108_39.0426.C16
Gene No.	105396	Strand	+
Start	1	End	2030
Name	OJ000108_39.0426.C16.o2.np	Method	AAT/NAP
Start	1	End	2030
GI	6063554	Score	108
Exons	1..33, 1858..2030		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49569	Seq. ID	OJ000108_39.0426.C16
Gene No.	105396	Strand	+
Start	1	End	2030
Name	OJ000108_39.0426.C16.o1.gs	Method	GENSCAN
Start	12	End	1192
GI	none	Score	.64
Exons	12..93, 1071..1192		

Seq. No.	49569	Seq. ID	OJ000108_39.0426.C16
Gene No.	105397	Strand	-
Start	732	End	1113
Name	OJ000108_39.0426.C16.o1.gp	Method	AAT/GAP
Start	732	End	1113
GI	uC-osflcyp033a04b1	Score	687
Exons	732..1113		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49570	Seq. ID	OJ000108_39.0426.C17
Gene No.	105398	Strand	-
Start	195	End	1017
Name	OJ000108_39.0426.C17.o1.gs	Method	GENSCAN
Start	195	End	1017
GI	none	Score	.42
Exons	195..346, 617..726, 890..1017		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.gs	Method	GENSCAN
Start	239	End	1231
GI	none	Score	.72
Exons	239..1231		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o2.tw	Method	TBLASTX:Wheat
Start	337	End	613
GI	none	Score	254
Exons	337..612, 338..613		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.np	Method	AAT/NAP
Start	340	End	2837
GI	4220888	Score	273
Exons	340..1004, 2779..2837		
GI Descrip.	(AF078798) extracellular signal-regulated kinase 7; ERK7 [Rattus norvegicus]		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.tm	Method	TBLASTX:Maize
Start	368	End	1189
GI	none	Score	108
Exons	368..475, 686..853, 872..1015, 1037..1189, 1084..1188		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.ts	Method	TBLASTX:Soybean
Start	398	End	1015
GI	none	Score	59
Exons	398..475, 560..637, 677..1015, 698..763, 742..825, 862..981		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.tc	Method	TBLASTX:Cress
Start	686	End	994
GI	none	Score	143
Exons	686..853, 881..994		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.tw	Method	TBLASTX:Wheat
Start	688	End	1015
GI	none	Score	330
Exons	688..975, 689..1015, 689..988		

Seq. No.	49571	Seq. ID	OJ000108_39.0426.C20
Gene No.	105399	Strand	+
Start	239	End	2837
Name	OJ000108_39.0426.C20.o1.gp	Method	AAT/GAP
Start	746	End	975
GI	2797576	Score	430
Exons	746..975		

GI Descrip.	4505569/ref|NP_003939.1|pCDKL2| 7.0e-12 cyclin-dependent kinase-like 2 (CDC2-related kinase) >gi_1517820 (U35146) p56 KKIAMRE protein kinase [Homo sapiens]		
Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105400	Strand	+
Start	5963	End	11649
Name	OJ000108_39.0426.C22.o2.gs	Method	GENSCAN
Start	5963	End	11649
GI	none	Score	.73
Exons	5963..6438, 6469..6601, 7118..7376, 7738..8073, 8356..8537, 8640..8803, 11079..11133, 11638..11649		
Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105400	Strand	+
Start	5963	End	11649
Name	OJ000108_39.0426.C22.o1.gp	Method	AAT/GAP
Start	7649	End	10140
GI	1752_1.R1084	Score	2467
Exons	7649..8073, 8356..8546, 8640..8803, 9617..10140		
GI Descrip.	'3858935/emb|CAA16574.1| 6.0e-62 (AL021636) synaptobrevin-like protein [Arabidopsis thaliana] >gi_4103357 (AF025332) vesicle-associated membrane protein 7C; synaptobrevin 7C [Arabidopsis thaliana]'		
Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105400	Strand	+
Start	5963	End	11649
Name	OJ000108_39.0426.C22.o2.np	Method	AAT/NAP
Start	7830	End	9692
GI	7485009	Score	246
Exons	7830..8073, 8356..8546, 8640..8803, 9617..9692		
GI Descrip.	homeobox protein homolog F24L7.19 - Arabidopsis thaliana gi|2914706|gb|AAC04496.1| (AC003974) putative synaptobrevin [Arabidopsis thaliana]		
Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105401	Strand	+
Start	15126	End	17257
Name	OJ000108_39.0426.C22.o4.gs	Method	GENSCAN
Start	15126	End	17257
GI	none	Score	.95
Exons	15126..15170, 16493..17257		
Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105401	Strand	+
Start	15126	End	17257
Name	OJ000108_39.0426.C22.o4.np	Method	AAT/NAP
Start	16493	End	17254
GI	4512229	Score	1264
Exons	16493..17254		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		
Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105402	Strand	-
Start	1	End	6786
Name	OJ000108_39.0426.C22.o1.np	Method	AAT/NAP

Start	1	End	6786
GI	4680179	Score	2858
Exons	1..1561, 1589..2522, 6681..6786		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o3.tm	Method	TBLASTX:Maize
Start	2	End	430
GI	none	Score	155
Exons	2..430, 15..377		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o2.tw	Method	TBLASTX:Wheat
Start	65	End	466
GI	none	Score	331
Exons	65..427, 66..428, 188..466, 373..447		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o2.ts	Method	TBLASTX:Soybean
Start	179	End	574
GI	none	Score	189
Exons	179..430, 189..422, 209..535, 485..538, 542..574, 542..574		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o2.tm	Method	TBLASTX:Maize
Start	485	End	932
GI	none	Score	66
Exons	485..928, 690..932		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o1.tw	Method	TBLASTX:Wheat
Start	515	End	994
GI	none	Score	296
Exons	515..994, 558..938		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o3.ts	Method	TBLASTX:Soybean
Start	647	End	961
GI	none	Score	198
Exons	647..961		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o4.tw	Method	TBLASTX:Wheat

Start	1130	End	1483
GI	none	Score	57
Exons	1130..1483, 1205..1483		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o3.tw	Method	TBLASTX:Wheat
Start	1817	End	2167
GI	none	Score	311
Exons	1817..2167		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o5.tm	Method	TBLASTX:Maize
Start	1862	End	2167
GI	none	Score	244
Exons	1862..2167		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o5.tw	Method	TBLASTX:Wheat
Start	2219	End	2417
GI	none	Score	126
Exons	2219..2416, 2220..2417		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o1.ts	Method	TBLASTX:Soybean
Start	7821	End	9716
GI	none	Score	246
Exons	7821..8012, 7839..7994, 7886..8011, 8028..8072, 8030..8077, 8354..8488, 8358..8564, 8360..8545, 8632..8793, 8632..8793, 8637..8798, 8639..8803, 9617..9703, 9672..9716		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o4.tm	Method	TBLASTX:Maize
Start	7833	End	8077
GI	none	Score	282
Exons	7833..7994, 7835..8011, 7836..8012, 8024..8077, 8028..8072		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o1.tc	Method	TBLASTX:Cress
Start	7839	End	8800
GI	none	Score	187
Exons	7839..8012, 7839..7994, 7886..8008, 8031..8072, 8358..8546, 8360..8536, 8637..8798, 8648..8800		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-

Start	13766	End	17339
Name	OJ000108_39.0426.C22.o1.tm	Method	TBLASTX:Maize
Start	8358	End	9721
GI	none	Score	131
Exons	8358..8438, 8360..8440, 8366..8440, 8441..8554, 8442..8564, 8625..8801, 8631..8798, 8639..8803, 8639..8809, 9618..9683, 9620..9721, 9620..9706		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o3.gs	Method	GENSCAN
Start	13766	End	14107
GI	none	Score	.81
Exons	13766..14107		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o3.np	Method	AAT/NAP
Start	13867	End	17339
GI	5852180	Score	304
Exons	13867..14241, 15276..15363, 17306..17339		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o2.gp	Method	AAT/GAP
Start	14440	End	14511
GI	uC-osroM202024h08a1	Score	86
Exons	14440..14511		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49572	Seq. ID	OJ000108_39.0426.C22
Gene No.	105403	Strand	-
Start	13766	End	17339
Name	OJ000108_39.0426.C22.o3.gp	Method	AAT/GAP
Start	14652	End	15175
GI	uC-osflM202048c12b1	Score	884
Exons	14652..15175		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o1.np	Method	AAT/NAP
Start	1	End	4042
GI	4680179	Score	5225
Exons	1..4042		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045

Name	OJ000108_39.0426.C23.o6.tm	Method	TBLASTX:Maize
Start	21	End	320
GI	none	Score	245
Exons	21..320, 47..151, 139..168, 239..319		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o6.tw	Method	TBLASTX:Wheat
Start	21	End	365
GI	none	Score	320
Exons	21..365, 47..151, 124..216		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o1.gs	Method	GENSCAN
Start	49	End	2063
GI	none	Score	.57
Exons	49..720, 907..2063		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o9.tm	Method	TBLASTX:Maize
Start	666	End	986
GI	none	Score	191
Exons	666..986		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o8.tw	Method	TBLASTX:Wheat
Start	720	End	1067
GI	none	Score	240
Exons	720..1067, 896..1030		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o10.tm	Method	TBLASTX:Maize
Start	1077	End	1274
GI	none	Score	183
Exons	1077..1274, 1124..1273		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o4.tw	Method	TBLASTX:Wheat
Start	1202	End	1688
GI	none	Score	522
Exons	1202..1495, 1206..1688, 1209..1646		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o4.ts	Method	TBLASTX:Soybean

Start	1242	End	1556
GI	none	Score	187
Exons	1242..1556		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o4.tm	Method	TBLASTX:Maize
Start	1275	End	1718
GI	none	Score	358
Exons	1275..1718, 1347..1709		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o2.ts	Method	TBLASTX:Soybean
Start	1629	End	1991
GI	none	Score	57
Exons	1629..1661, 1629..1661, 1665..1718, 1665..1745, 1770..1898, 1773..1985, 1784..1963, 1917..1991		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o7.tw	Method	TBLASTX:Wheat
Start	1764	End	1985
GI	none	Score	256
Exons	1764..1979, 1776..1985, 1784..1984		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o8.tm	Method	TBLASTX:Maize
Start	1773	End	2109
GI	none	Score	182
Exons	1773..1970, 1826..1981, 2014..2109, 2030..2104		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o3.tw	Method	TBLASTX:Wheat
Start	2038	End	2464
GI	none	Score	594
Exons	2038..2457, 2039..2464, 2081..2464		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o3.ts	Method	TBLASTX:Soybean
Start	2045	End	2293
GI	none	Score	211
Exons	2045..2293		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o2.tm	Method	TBLASTX:Maize

Start	2111	End	2464
GI	none	Score	471
Exons	2111..2464, 2116..2379, 2117..2449, 2425..2457		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o2.gs	Method	GENSCAN
Start	2363	End	4045
GI	none	Score	.88
Exons	2363..4045		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o2.tw	Method	TBLASTX:Wheat
Start	2495	End	3031
GI	none	Score	610
Exons	2495..3031, 2497..3030		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o5.tm	Method	TBLASTX:Maize
Start	2648	End	2995
GI	none	Score	276
Exons	2648..2845, 2680..2994, 2681..2995		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o1.ts	Method	TBLASTX:Soybean
Start	2819	End	3079
GI	none	Score	297
Exons	2819..3079, 2821..3078, 2822..3079		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o3.tm	Method	TBLASTX:Maize
Start	2996	End	3286
GI	none	Score	406
Exons	2996..3286, 2998..3285		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o1.tw	Method	TBLASTX:Wheat
Start	3038	End	3664
GI	none	Score	709
Exons	3038..3664, 3040..3663		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o1.tm	Method	TBLASTX:Maize
Start	3288	End	3745

GI	none	Score	79
Exons	3288..3506, 3289..3735, 3290..3745		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o5.tw	Method	TBLASTX:Wheat
Start	3664	End	3997
GI	none	Score	382
Exons	3664..3738, 3665..3997, 3668..3781		

Seq. No.	49573	Seq. ID	OJ000108_39.0426.C23
Gene No.	105404	Strand	+
Start	1	End	4045
Name	OJ000108_39.0426.C23.o7.tm	Method	TBLASTX:Maize
Start	3746	End	3985
GI	none	Score	233
Exons	3746..3985, 3754..3897		

Seq. No.	49574	Seq. ID	OJ000108_39.0426.C25
Gene No.	105405	Strand	+
Start	1	End	366
Name	OJ000108_39.0426.C25.o1.np	Method	AAT/NAP
Start	1	End	366
GI	4680185	Score	390
Exons	1..366		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49574	Seq. ID	OJ000108_39.0426.C25
Gene No.	105406	Strand	-
Start	63	End	300
Name	OJ000108_39.0426.C25.o1.gs	Method	GENSCAN
Start	63	End	300
GI	none	Score	.8
Exons	63..300		

Seq. No.	49575	Seq. ID	OJ000108_39.0426.C27
Gene No.	105407	Strand	+
Start	359	End	1542
Name	OJ000108_39.0426.C27.o1.np	Method	AAT/NAP
Start	359	End	1542
GI	5257279	Score	1159
Exons	359..904, 1253..1542		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	49575	Seq. ID	OJ000108_39.0426.C27
Gene No.	105407	Strand	+
Start	359	End	1542
Name	OJ000108_39.0426.C27.o1.gs	Method	GENSCAN
Start	560	End	1487
GI	none	Score	.61
Exons	560..814, 926..1145, 1253..1487		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252

Name	OJ000108_39.0426.C28.o1.np	Method	AAT/NAP
Start	1	End	1252
GI	5257279	Score	1873
Exons	1..1252		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o2.tw	Method	TBLASTX:Wheat
Start	6	End	355
GI	none	Score	67
Exons	6..53, 7..78, 57..137, 58..135, 60..140, 61..144, 147..335, 147..344, 148..345, 148..351, 269..355		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o1.gs	Method	GENSCAN
Start	59	End	1218
GI	none	Score	.54
Exons	59..1218		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o2.tm	Method	TBLASTX:Maize
Start	157	End	657
GI	none	Score	160
Exons	157..336, 322..657, 408..536, 564..611		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o1.ts	Method	TBLASTX:Soybean
Start	211	End	606
GI	none	Score	54
Exons	211..243, 241..576, 247..606, 249..605		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o3.tw	Method	TBLASTX:Wheat
Start	357	End	621
GI	none	Score	353
Exons	357..605, 358..621		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o1.tw	Method	TBLASTX:Wheat
Start	622	End	1119
GI	none	Score	624
Exons	622..1119, 631..966, 657..1043		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28

Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o2.ts	Method	TBLASTX:Soybean
Start	628	End	873
GI	none	Score	202
Exons	628..873		

Seq. No.	49576	Seq. ID	OJ000108_39.0426.C28
Gene No.	105408	Strand	+
Start	1	End	1252
Name	OJ000108_39.0426.C28.o1.tm	Method	TBLASTX:Maize
Start	694	End	1047
GI	none	Score	459
Exons	694..1047, 696..962, 697..963		

Seq. No.	49577	Seq. ID	OJ000108_39.0426.C29
Gene No.	105409	Strand	+
Start	1	End	1013
Name	OJ000108_39.0426.C29.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	6983859	Score	1267
Exons	1..1004		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49577	Seq. ID	OJ000108_39.0426.C29
Gene No.	105409	Strand	+
Start	1	End	1013
Name	OJ000108_39.0426.C29.o2.tm	Method	TBLASTX:Maize
Start	2	End	215
GI	none	Score	138
Exons	2..202, 2..211, 3..215		

Seq. No.	49577	Seq. ID	OJ000108_39.0426.C29
Gene No.	105409	Strand	+
Start	1	End	1013
Name	OJ000108_39.0426.C29.o1.tw	Method	TBLASTX:Wheat
Start	33	End	659
GI	none	Score	694
Exons	33..659, 35..658		

Seq. No.	49577	Seq. ID	OJ000108_39.0426.C29
Gene No.	105409	Strand	+
Start	1	End	1013
Name	OJ000108_39.0426.C29.o1.gs	Method	GENSCAN
Start	105	End	1013
GI	none	Score	.46
Exons	105..1013		

Seq. No.	49577	Seq. ID	OJ000108_39.0426.C29
Gene No.	105409	Strand	+
Start	1	End	1013
Name	OJ000108_39.0426.C29.o1.tm	Method	TBLASTX:Maize
Start	216	End	805
GI	none	Score	216
Exons	216..374, 218..370, 312..515, 372..800, 374..799, 482..805		

Seq. No.	49577	Seq. ID	OJ000108_39.0426.C29
Gene No.	105409	Strand	+
Start	1	End	1013
Name	OJ000108_39.0426.C29.o2.tw	Method	TBLASTX:Wheat
Start	660	End	992
GI	none	Score	336
Exons	660..992, 816..992		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105410	Strand	+
Start	303	End	1112
Name	OJ000108_39.0426.C30.o1.gs	Method	GENSCAN
Start	303	End	1112
GI	none	Score	.47
Exons	303..432, 475..1112		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o1.np	Method	AAT/NAP
Start	1354	End	3084
GI	4680179	Score	1338
Exons	1354..2421, 2455..3084		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o2.gs	Method	GENSCAN
Start	1357	End	3064
GI	none	Score	.81
Exons	1357..2533, 2927..3064		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o3.tw	Method	TBLASTX:Wheat
Start	1436	End	1778
GI	none	Score	211
Exons	1436..1468, 1579..1776, 1581..1778		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o1.tw	Method	TBLASTX:Wheat
Start	1812	End	2163
GI	none	Score	292
Exons	1812..2006, 1813..2163		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o1.tm	Method	TBLASTX:Maize
Start	1813	End	2118
GI	none	Score	231
Exons	1813..2118, 1827..1943		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o2.tm	Method	TBLASTX:Maize
Start	2446	End	2799
GI	none	Score	189
Exons	2446..2799		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o2.tw	Method	TBLASTX:Wheat
Start	2482	End	2904
GI	none	Score	166
Exons	2482..2691, 2538..2690, 2736..2849, 2737..2904		

Seq. No.	49578	Seq. ID	OJ000108_39.0426.C30
Gene No.	105411	Strand	+
Start	1357	End	3084
Name	OJ000108_39.0426.C30.o3.tm	Method	TBLASTX:Maize
Start	2920	End	3084
GI	none	Score	179
Exons	2920..3084, 2937..3083		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o1.np	Method	AAT/NAP
Start	1	End	2238
GI	4680179	Score	3262
Exons	1..2238		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o2.ts	Method	TBLASTX:Soybean
Start	1	End	219
GI	none	Score	269
Exons	1..219, 3..218		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o4.tw	Method	TBLASTX:Wheat
Start	1	End	234
GI	none	Score	295
Exons	1..234, 3..218, 10..228		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o4.tm	Method	TBLASTX:Maize
Start	7	End	300
GI	none	Score	304
Exons	7..300, 96..299		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o1.gs	Method	GENSCAN
Start	47	End	2241
GI	none	Score	.88
Exons	47..2241		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o3.tw	Method	TBLASTX:Wheat
Start	235	End	657
GI	none	Score	598
Exons	235..657, 267..656		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o3.ts	Method	TBLASTX:Soybean
Start	241	End	486
GI	none	Score	207
Exons	241..486, 258..485		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o2.tm	Method	TBLASTX:Maize
Start	306	End	669
GI	none	Score	482
Exons	306..656, 307..660, 307..669		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o2.tw	Method	TBLASTX:Wheat
Start	660	End	1227
GI	none	Score	649
Exons	660..1223, 691..1227		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o1.tc	Method	TBLASTX:Cress
Start	934	End	1251
GI	none	Score	90
Exons	934..1107, 1108..1251, 1110..1250		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o1.ts	Method	TBLASTX:Soybean
Start	1015	End	1276
GI	none	Score	297
Exons	1015..1275, 1020..1274, 1139..1276		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31

Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o3.tm	Method	TBLASTX:Maize
Start	1073	End	1365
GI	none	Score	103
Exons	1073..1261, 1074..1361, 1075..1365		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o1.tw	Method	TBLASTX:Wheat
Start	1234	End	1860
GI	none	Score	708
Exons	1234..1860, 1290..1748, 1606..1857		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o1.tm	Method	TBLASTX:Maize
Start	1414	End	2013
GI	none	Score	231
Exons	1414..1575, 1419..1577, 1422..1568, 1572..1670, 1572..1997, 1573..2013		

Seq. No.	49579	Seq. ID	OJ000108_39.0426.C31
Gene No.	105412	Strand	+
Start	1	End	2241
Name	OJ000108_39.0426.C31.o5.tw	Method	TBLASTX:Wheat
Start	1860	End	2193
GI	none	Score	292
Exons	1860..2129, 1861..2193, 1864..2172		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105413	Strand	+
Start	35	End	2176
Name	OJ000108_39.0426.C32.o1.gs	Method	GENSCAN
Start	35	End	2176
GI	none	Score	.8
Exons	35..243, 308..389, 529..575, 658..845, 1302..2176		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105414	Strand	+
Start	2919	End	3304
Name	OJ000108_39.0426.C32.o1.gp	Method	AAT/GAP
Start	2919	End	3304
GI	uC-osf1cyp033a04b1	Score	653
Exons	2919..3304		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105415	Strand	+
Start	3972	End	5772
Name	OJ000108_39.0426.C32.o3.np	Method	AAT/NAP
Start	3972	End	5772
GI	7523517	Score	127
Exons	3972..4249, 5741..5772		

GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105415	Strand	+
Start	3972	End	5772
Name	OJ000108_39.0426.C32.o4.np	Method	AAT/NAP
Start	4369	End	4913
GI	6539585	Score	151
Exons	4369..4537, 4838..4913		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105416	Strand	+
Start	5862	End	6066
Name	OJ000108_39.0426.C32.o5.np	Method	AAT/NAP
Start	5862	End	6066
GI	7228456	Score	102
Exons	5862..6066		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105416	Strand	+
Start	5862	End	6066
Name	OJ000108_39.0426.C32.o6.np	Method	AAT/NAP
Start	5866	End	6063
GI	5803259	Score	100
Exons	5866..6063		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105417	Strand	+
Start	8496	End	12346
Name	OJ000108_39.0426.C32.o7.np	Method	AAT/NAP
Start	8496	End	12346
GI	5852180	Score	572
Exons	8496..8553, 9533..9650, 9702..10113, 10808..10878, 12285..12346		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105417	Strand	+
Start	8496	End	12346
Name	OJ000108_39.0426.C32.o4.gs	Method	GENSCAN
Start	9695	End	11868
GI	none	Score	.75
Exons	9695..10247, 10804..11451, 11505..11612, 11715..11868		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105418	Strand	-
Start	1	End	384
Name	OJ000108_39.0426.C32.o1.np	Method	AAT/NAP
Start	1	End	384
GI	5902448	Score	138
Exons	1..384		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105419	Strand	-

Start	1573	End	6847
Name	OJ000108_39.0426.C32.o2.np	Method	AAT/NAP
Start	1573	End	6796
GI	5852180	Score	598
Exons	1573..1995, 2047..2164, 3153..3223, 6775..6796		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105419	Strand	-
Start	1573	End	6847
Name	OJ000108_39.0426.C32.o2.gs	Method	GENSCAN
Start	2371	End	6847
GI	none	Score	.66
Exons	2371..2481, 2593..2642, 2899..2992, 4202..4268, 4816..4908, 5296..5419, 5493..5585, 5810..5904, 5931..6145, 6181..6227, 6322..6438, 6766..6847		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105420	Strand	-
Start	7932	End	8783
Name	OJ000108_39.0426.C32.o3.gs	Method	GENSCAN
Start	7932	End	8605
GI	none	Score	.49
Exons	7932..7960, 8530..8605		

Seq. No.	49580	Seq. ID	OJ000108_39.0426.C32
Gene No.	105420	Strand	-
Start	7932	End	8783
Name	OJ000108_39.0426.C32.o2.gp	Method	AAT/GAP
Start	8402	End	8783
GI	uC-osf1cyp033a04b1	Score	659
Exons	8402..8783		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49581	Seq. ID	OJ000108_39.0426.C33
Gene No.	105421	Strand	-
Start	158	End	700
Name	OJ000108_39.0426.C33.o1.gs	Method	GENSCAN
Start	158	End	700
GI	none	Score	.94
Exons	158..700		

Seq. No.	49582	Seq. ID	OJ000108_39.0426.C38
Gene No.	105422	Strand	+
Start	1	End	433
Name	OJ000108_39.0426.C38.o1.np	Method	AAT/NAP
Start	1	End	430
GI	6983858	Score	669
Exons	1..430		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	49582	Seq. ID	OJ000108_39.0426.C38
Gene No.	105422	Strand	+
Start	1	End	433
Name	OJ000108_39.0426.C38.o1.gs	Method	GENSCAN

Start	44	End	433
GI	none	Score	.59
Exons	44..433		

Seq. No.	49583	Seq. ID	OJ000108_39.0426.C39
Gene No.	105423	Strand	-
Start	1	End	797
Name	OJ000108_39.0426.C39.o1.np	Method	AAT/NAP
Start	1	End	797
GI	7340881	Score	92
Exons	1..34, 497..525, 630..797		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105424	Strand	+
Start	1	End	236
Name	OJ000108_39.0426.C40.o1.gp	Method	AAT/GAP
Start	1	End	236
GI	61605_1.R1084	Score	441
Exons	1..236		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105425	Strand	+
Start	294	End	6535
Name	OJ000108_39.0426.C40.o1.gs	Method	GENSCAN
Start	294	End	3073
GI	none	Score	.71
Exons	294..308, 1705..2072, 2081..2207, 2930..3073		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105425	Strand	+
Start	294	End	6535
Name	OJ000108_39.0426.C40.o2.np	Method	AAT/NAP
Start	2952	End	6535
GI	7228457	Score	585
Exons	2952..3061, 6044..6535		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105426	Strand	-
Start	837	End	1245
Name	OJ000108_39.0426.C40.o2.gp	Method	AAT/GAP
Start	837	End	1245
GI	2428185	Score	628
Exons	837..1245		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105427	Strand	-
Start	1381	End	2277
Name	OJ000108_39.0426.C40.o1.np	Method	AAT/NAP
Start	1381	End	2277

GI	5852178	Score	507
Exons	1381..1475, 1838..1945, 1977..2277		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105428	Strand	-
Start	3818	End	6424
Name	OJ000108_39.0426.C40.o2.gs	Method	GENSCAN
Start	3818	End	6424
GI	none	Score	.84
Exons	3818..4251, 5091..5125, 6348..6424		

Seq. No.	49584	Seq. ID	OJ000108_39.0426.C40
Gene No.	105428	Strand	-
Start	3818	End	6424
Name	OJ000108_39.0426.C40.o1.tw	Method	TBLASTX:Wheat
Start	6044	End	6346
GI	none	Score	248
Exons	6044..6346, 6112..6330		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105429	Strand	+
Start	1173	End	2258
Name	OJ000108_39.0426.C41.o1.gs	Method	GENSCAN
Start	1173	End	2258
GI	none	Score	.86
Exons	1173..1233, 1966..2258		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105430	Strand	-
Start	831	End	1213
Name	OJ000108_39.0426.C41.o1.gp	Method	AAT/GAP
Start	831	End	1213
GI	uC-osflcyp033a04b1	Score	716
Exons	831..1213		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o3.tm	Method	TBLASTX:Maize
Start	2944	End	3173
GI	none	Score	40
Exons	2944..3000, 2976..3173, 3067..3162		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o2.gs	Method	GENSCAN
Start	2949	End	4151
GI	none	Score	.99
Exons	2949..4151		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429

Name	OJ000108_39.0426.C41.o1.np	Method	AAT/NAP
Start	2952	End	4429
GI	6983860	Score	2153
Exons	2952..4429		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o3.tw	Method	TBLASTX:Wheat
Start	2997	End	3330
GI	none	Score	123
Exons	2997..3329, 3018..3326, 3061..3330		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o1.tm	Method	TBLASTX:Maize
Start	3177	End	3776
GI	none	Score	110
Exons	3177..3617, 3192..3455, 3193..3618, 3615..3776, 3622..3768, 3624..3773		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o1.tw	Method	TBLASTX:Wheat
Start	3330	End	3956
GI	none	Score	66
Exons	3330..3956, 3333..3551, 3442..3900		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o2.tm	Method	TBLASTX:Maize
Start	3825	End	4116
GI	none	Score	208
Exons	3825..4115, 3829..4116		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o1.ts	Method	TBLASTX:Soybean
Start	3915	End	4175
GI	none	Score	149
Exons	3915..4175, 3916..4143		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41
Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o1.tc	Method	TBLASTX:Cress
Start	3939	End	4256
GI	none	Score	85
Exons	3939..4082, 3940..4080, 4083..4256		

Seq. No.	49585	Seq. ID	OJ000108_39.0426.C41

Gene No.	105431	Strand	-
Start	2949	End	4429
Name	OJ000108_39.0426.C41.o2.tw	Method	TBLASTX:Wheat
Start	3963	End	4427
GI	none	Score	306
Exons	3963..4427, 3964..4413, 3969..4427		

Seq. No.	49586	Seq. ID	OJ000108_39.0426.C42
Gene No.	105432	Strand	+
Start	347	End	682
Name	OJ000108_39.0426.C42.o1.gs	Method	GENSCAN
Start	347	End	682
GI	none	Score	.9
Exons	347..516, 561..682		

Seq. No.	49587	Seq. ID	OJ000108_39.0426.C43
Gene No.	105433	Strand	+
Start	1	End	1005
Name	OJ000108_39.0426.C43.o1.np	Method	AAT/NAP
Start	1	End	1005
GI	7452058	Score	65
Exons	1..74, 879..1005		
GI Descrip.	hypothetical protein T9A14.40 - Arabidopsis thaliana gi|4490328|emb|CAB38610.1| (AL035656) putative protein [Arabidopsis thaliana] gi|7270859|emb|CAB80539.1| (AL161594) putative protein [Arabidopsis thaliana]		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105434	Strand	-
Start	1	End	4257
Name	OJ000108_39.0426.C45.o1.np	Method	AAT/NAP
Start	1	End	4257
GI	4680179	Score	4985
Exons	1..3141, 3175..4257		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105434	Strand	-
Start	1	End	4257
Name	OJ000108_39.0426.C45.o1.gs	Method	GENSCAN
Start	32	End	4251
GI	none	Score	.85
Exons	32..2835, 3063..4251		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o1.tm	Method	TBLASTX:Maize
Start	2	End	565
GI	none	Score	239
Exons	2..406, 3..404, 404..565, 423..557		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o1.tw	Method	TBLASTX:Wheat
Start	119	End	745

GI	none	Score	291
Exons	119..745, 120..689		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o4.tm	Method	TBLASTX:Maize
Start	614	End	906
GI	none	Score	216
Exons	614..904, 618..905, 739..906		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o2.ts	Method	TBLASTX:Soybean
Start	704	End	964
GI	none	Score	148
Exons	704..964, 705..959		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o1.tc	Method	TBLASTX:Cress
Start	728	End	1045
GI	none	Score	85
Exons	728..871, 729..869, 872..1045		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o2.tw	Method	TBLASTX:Wheat
Start	752	End	1319
GI	none	Score	343
Exons	752..1288, 753..1319		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o2.tm	Method	TBLASTX:Maize
Start	1310	End	1673
GI	none	Score	153
Exons	1310..1672, 1319..1672, 1413..1673		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o3.tw	Method	TBLASTX:Wheat
Start	1322	End	1745
GI	none	Score	252
Exons	1322..1696, 1322..1744, 1323..1712, 1383..1745		

Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o3.ts	Method	TBLASTX:Soybean
Start	1493	End	1738
GI	none	Score	99

Exons	1493..1738, 1494..1736		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o3.tm	Method	TBLASTX:Maize
Start	1709	End	2209
GI	none	Score	49
Exons	1709..2023, 1755..1802, 1830..1883, 2027..2101, 2030..2209, 2079..2201		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o5.tw	Method	TBLASTX:Wheat
Start	1747	End	2047
GI	none	Score	240
Exons	1747..1893, 1754..2047, 1761..2036		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o1.ts	Method	TBLASTX:Soybean
Start	1760	End	2155
GI	none	Score	174
Exons	1760..2119, 1761..2036, 2079..2117, 2123..2155, 2124..2153		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o4.tw	Method	TBLASTX:Wheat
Start	2096	End	2582
GI	none	Score	266
Exons	2096..2578, 2139..2582		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o2.tc	Method	TBLASTX:Cress
Start	2132	End	2449
GI	none	Score	180
Exons	2132..2449		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o4.ts	Method	TBLASTX:Soybean
Start	2228	End	2542
GI	none	Score	183
Exons	2228..2542		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o5.tm	Method	TBLASTX:Maize
Start	2277	End	2567
GI	none	Score	176

Exons	2277..2567, 2279..2566		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o7.tw	Method	TBLASTX:Wheat
Start	2693	End	3115
GI	none	Score	69
Exons	2693..2860, 2748..2861, 2905..3114, 2906..3115		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o6.tw	Method	TBLASTX:Wheat
Start	3433	End	3784
GI	none	Score	111
Exons	3433..3783, 3590..3784		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o6.tm	Method	TBLASTX:Maize
Start	3478	End	3783
GI	none	Score	90
Exons	3478..3783, 3653..3769		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o8.tw	Method	TBLASTX:Wheat
Start	3818	End	4044
GI	none	Score	117
Exons	3818..4015, 3820..4017, 4024..4044		
Seq. No.	49588	Seq. ID	OJ000108_39.0426.C45
Gene No.	105435	Strand	-
Start	4509	End	4721
Name	OJ000108_39.0426.C45.o2.gs	Method	GENSCAN
Start	4509	End	4721
GI	none	Score	.55
Exons	4509..4721		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105436	Strand	+
Start	3774	End	9264
Name	OJ000108_39.0426.C46.o2.np	Method	AAT/NAP
Start	3774	End	9228
GI	4539660	Score	1841
Exons	3774..3822, 7790..9228		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105436	Strand	+
Start	3774	End	9264
Name	OJ000108_39.0426.C46.o3.gs	Method	GENSCAN
Start	7867	End	9264
GI	none	Score	.97

Exons	7867..9264		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105437	Strand	+
Start	9771	End	11564
Name	OJ000108_39.0426.C46.o4.np	Method	AAT/NAP
Start	9435	End	11564
GI	6063554	Score	174
Exons	9435..9459, 10013..10231, 10316..10360, 11393..11564		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105437	Strand	+
Start	9771	End	11564
Name	OJ000108_39.0426.C46.o4.gs	Method	GENSCAN
Start	9771	End	10840
GI	none	Score	.53
Exons	9771..10055, 10076..10257, 10311..10489, 10743..10840		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105437	Strand	+
Start	9771	End	11564
Name	OJ000108_39.0426.C46.o1.gp	Method	AAT/GAP
Start	10945	End	11325
GI	2427387	Score	510
Exons	10945..11325		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105438	Strand	+
Start	14072	End	17262
Name	OJ000108_39.0426.C46.o6.gs	Method	GENSCAN
Start	14072	End	17262
GI	none	Score	.58
Exons	14072..14122, 14219..14717, 15028..15575, 15771..15936, 16042..16190, 16576..17262		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105439	Strand	+
Start	21703	End	22795
Name	OJ000108_39.0426.C46.o8.np	Method	AAT/NAP
Start	21703	End	22795
GI	4680186	Score	362
Exons	21703..21756, 22595..22795		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105440	Strand	-
Start	305	End	2663
Name	OJ000108_39.0426.C46.o1.gs	Method	GENSCAN
Start	305	End	2663
GI	none	Score	.94
Exons	305..991, 2661..2663		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105441	Strand	-
Start	3384	End	11317
Name	OJ000108_39.0426.C46.o2.gs	Method	GENSCAN
Start	3384	End	7686
GI	none	Score	.72
Exons	3384..3561, 3615..3796, 3817..3994, 4679..7686		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105441	Strand	-
Start	3384	End	11317
Name	OJ000108_39.0426.C46.o1.np	Method	AAT/NAP
Start	4621	End	10125
GI	4680179	Score	4535
Exons	4621..7772, 10056..10125		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105441	Strand	-
Start	3384	End	11317
Name	OJ000108_39.0426.C46.o3.np	Method	AAT/NAP
Start	8529	End	11317
GI	5852179	Score	259
Exons	8529..8575, 9976..10208, 10283..10496, 11297..11317		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o6.tw	Method	TBLASTX:Wheat
Start	4666	End	9216
GI	none	Score	82
Exons	4666..4998, 4687..4848, 4718..4999, 8883..9164, 8884..9216, 9034..9165		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o1.tm	Method	TBLASTX:Maize
Start	4861	End	9021
GI	none	Score	98
Exons	4861..5286, 4862..5059, 5041..5127, 5123..5287, 5284..5445, 5291..5446, 8436..8591, 8437..8598, 8595..8756, 8596..9021, 8823..9020		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o1.tw	Method	TBLASTX:Wheat
Start	4999	End	18365
GI	none	Score	44
Exons	4999..5625, 5000..5059, 5041..5568, 5120..5623, 8257..8883, 8316..8762, 8320..8841, 18000..18365		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168

Name	OJ000108_39.0426.C46.o3.tm	Method	TBLASTX:Maize
Start	5494	End	8388
GI	none	Score	301
Exons	5494..5784, 5498..5785, 8097..8384, 8097..8384, 8098..8388, 8098..8385		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o2.ts	Method	TBLASTX:Soybean
Start	5584	End	8299
GI	none	Score	188
Exons	5584..5844, 5585..5833, 8038..8298, 8049..8297, 8050..8298, 8102..8299		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o1.tc	Method	TBLASTX:Cress
Start	5608	End	8274
GI	none	Score	87
Exons	5608..5751, 5609..5749, 5752..5934, 7948..8130, 8131..8274, 8133..8273		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o2.tw	Method	TBLASTX:Wheat
Start	5631	End	18653
GI	none	Score	137
Exons	5631..5885, 5632..6171, 5636..6007, 7768..8250, 7875..8246, 18534..18653		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o2.tm	Method	TBLASTX:Maize
Start	6199	End	6552
GI	none	Score	97
Exons	6199..6552, 6206..6349, 6214..6501, 6467..6547		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o3.tw	Method	TBLASTX:Wheat
Start	6199	End	6624
GI	none	Score	214
Exons	6199..6549, 6199..6624, 6206..6622		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o6.ts	Method	TBLASTX:Soybean
Start	6370	End	6618
GI	none	Score	200
Exons	6370..6618		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o5.tm	Method	TBLASTX:Maize
Start	6559	End	6891
GI	none	Score	71
Exons	6559..6891, 6560..6838		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o5.tw	Method	TBLASTX:Wheat
Start	6625	End	6888
GI	none	Score	179
Exons	6625..6888, 6626..6886		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o1.ts	Method	TBLASTX:Soybean
Start	6640	End	7035
GI	none	Score	62
Exons	6640..6891, 6643..6792, 6746..6883, 6856..6900, 6946..6999, 6956..6997, 7003..7035, 7003..7035		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o4.tm	Method	TBLASTX:Maize
Start	6946	End	7393
GI	none	Score	117
Exons	6946..7389, 6956..7393		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o4.tw	Method	TBLASTX:Wheat
Start	6976	End	7458
GI	none	Score	277
Exons	6976..7458, 7019..7399		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o7.ts	Method	TBLASTX:Soybean
Start	7108	End	7389
GI	none	Score	193
Exons	7108..7389		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o7.tm	Method	TBLASTX:Maize
Start	7396	End	7587
GI	none	Score	94
Exons	7396..7587, 7454..7549		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o7.tw	Method	TBLASTX:Wheat
Start	7462	End	7767
GI	none	Score	67
Exons	7462..7578, 7463..7540, 7603..7767, 7640..7708		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o3.ts	Method	TBLASTX:Soybean
Start	17650	End	17900
GI	none	Score	46
Exons	17650..17688, 17655..17900, 17761..17898		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o5.np	Method	AAT/NAP
Start	17661	End	23168
GI	4544372	Score	574
Exons	17661..18852, 23077..23168		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o7.gs	Method	GENSCAN
Start	17778	End	21572
GI	none	Score	.62
Exons	17778..19066, 19582..19735, 19920..21088, 21392..21572		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o4.ts	Method	TBLASTX:Soybean
Start	18444	End	18725
GI	none	Score	70
Exons	18444..18725, 18445..18537		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o6.tm	Method	TBLASTX:Maize
Start	18474	End	18806
GI	none	Score	215
Exons	18474..18806		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o5.ts	Method	TBLASTX:Soybean
Start	19442	End	19843
GI	none	Score	213
Exons	19442..19843		

Seq. No.	49589	Seq. ID	OJ000108_39.0426.C46
Gene No.	105442	Strand	-
Start	17661	End	23168
Name	OJ000108_39.0426.C46.o2.gp	Method	AAT/GAP
Start	22347	End	22728
GI	uC-osflcyp033a04b1	Score	683
Exons	22347..22728		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105443	Strand	+
Start	71	End	644
Name	OJ000108_39.0426.C47.o1.gs	Method	GENSCAN
Start	71	End	644
GI	none	Score	.84
Exons	71..644		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105444	Strand	+
Start	1781	End	2125
Name	OJ000108_39.0426.C47.o2.gs	Method	GENSCAN
Start	1781	End	2125
GI	none	Score	.8
Exons	1781..2125		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105445	Strand	+
Start	2778	End	3664
Name	OJ000108_39.0426.C47.o3.gs	Method	GENSCAN
Start	2778	End	3664
GI	none	Score	.92
Exons	2778..2838, 3147..3664		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105446	Strand	+
Start	5440	End	7779
Name	OJ000108_39.0426.C47.o4.gs	Method	GENSCAN
Start	5440	End	7779
GI	none	Score	.42
Exons	5440..5521, 6466..7084, 7773..7779		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o1.np	Method	AAT/NAP
Start	1	End	10299
GI	7228457	Score	2266
Exons	1..169, 459..567, 8199..8419, 8542..9357, 9421..10299		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299

Name	OJ000108_39.0426.C47.o2.tm	Method	TBLASTX:Maize
Start	1719	End	2041
GI	none	Score	50
Exons	1719..1772, 1777..1977, 1812..1976, 1981..2031, 1982..2041		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o5.tw	Method	TBLASTX:Wheat
Start	1722	End	2098
GI	none	Score	58
Exons	1722..1781, 1783..1962, 1812..1973, 1857..1985, 1981..2034, 1982..2092, 1982..2098		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o4.tw	Method	TBLASTX:Wheat
Start	3184	End	3792
GI	none	Score	97
Exons	3184..3411, 3185..3586, 3195..3233, 3217..3294, 3364..3465, 3589..3636, 3667..3792		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o1.gp	Method	AAT/GAP
Start	5862	End	6596
GI	101153_1.R1084	Score	391
Exons	5862..6093, 6554..6596		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o5.gs	Method	GENSCAN
Start	7950	End	10199
GI	none	Score	.69
Exons	7950..7958, 8182..8386, 8666..8847, 9046..9357, 9436..9597, 9643..10199		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o3.tw	Method	TBLASTX:Wheat
Start	8393	End	8778
GI	none	Score	105
Exons	8393..8584, 8394..8558, 8566..8610, 8616..8771, 8635..8778, 8636..8773		

Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o3.tm	Method	TBLASTX:Maize
Start	8471	End	8835
GI	none	Score	92

Exons	8471..8581, 8636..8785, 8638..8835		
Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o1.tm	Method	TBLASTX:Maize
Start	8863	End	9219
GI	none	Score	112
Exons	8863..9165, 8863..9219, 8873..9184		
Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o2.tw	Method	TBLASTX:Wheat
Start	8887	End	9228
GI	none	Score	268
Exons	8887..9228, 8888..9226		
Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o1.ts	Method	TBLASTX:Soybean
Start	8944	End	9309
GI	none	Score	119
Exons	8944..9078, 9085..9309		
Seq. No.	49590	Seq. ID	OJ000108_39.0426.C47
Gene No.	105447	Strand	-
Start	1	End	10299
Name	OJ000108_39.0426.C47.o1.tw	Method	TBLASTX:Wheat
Start	9229	End	9988
GI	none	Score	170
Exons	9229..9480, 9233..9394, 9381..9443, 9457..9987, 9476..9793, 9815..9988		
Seq. No.	49591	Seq. ID	OJ000108_39.0426.C49
Gene No.	105448	Strand	-
Start	57	End	862
Name	OJ000108_39.0426.C49.o1.np	Method	AAT/NAP
Start	57	End	862
GI	6983860	Score	1080
Exons	57..862		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	49591	Seq. ID	OJ000108_39.0426.C49
Gene No.	105448	Strand	-
Start	57	End	862
Name	OJ000108_39.0426.C49.o2.tw	Method	TBLASTX:Wheat
Start	102	End	435
GI	none	Score	107
Exons	102..434, 123..422, 166..435		
Seq. No.	49591	Seq. ID	OJ000108_39.0426.C49
Gene No.	105448	Strand	-
Start	57	End	862
Name	OJ000108_39.0426.C49.o1.gs	Method	GENSCAN

Start	273	End	693
GI	none	Score	.91
Exons	273..693		

Seq. No.	49591	Seq. ID	OJ000108_39.0426.C49
Gene No.	105448	Strand	-
Start	57	End	862
Name	OJ000108_39.0426.C49.o1.tm	Method	TBLASTX:Maize
Start	282	End	861
GI	none	Score	132
Exons	282..692, 297..560, 298..693, 715..861, 715..861	655..699, 692..856, 707..856,	

Seq. No.	49591	Seq. ID	OJ000108_39.0426.C49
Gene No.	105448	Strand	-
Start	57	End	862
Name	OJ000108_39.0426.C49.o1.tw	Method	TBLASTX:Wheat
Start	435	End	861
GI	none	Score	125
Exons	435..689, 547..687, 695..757,	701..844, 739..861, 741..845	

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105449	Strand	+
Start	4399	End	6069
Name	OJ000108_39.0426.C50.o3.np	Method	AAT/NAP
Start	4399	End	6069
GI	5852180	Score	604
Exons	4399..4452, 5432..5550, 5602..6069		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105450	Strand	-
Start	1	End	2383
Name	OJ000108_39.0426.C50.o1.np	Method	AAT/NAP
Start	1	End	2383
GI	4680179	Score	2238
Exons	1..1264, 1298..2383		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105450	Strand	-
Start	1	End	2383
Name	OJ000108_39.0426.C50.o1.gs	Method	GENSCAN
Start	32	End	2380
GI	none	Score	.74
Exons	32..565, 629..972, 1186..1255, 2009..2380	1261..1459, 1524..1948,	

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o3.tw	Method	TBLASTX:Wheat
Start	1	End	169
GI	none	Score	125
Exons	1..168, 2..169, 54..158		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50

Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o1.ts	Method	TBLASTX:Soybean
Start	2	End	277
GI	none	Score	105
Exons	2..241, 3..158, 5..241, 239..277		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o3.tm	Method	TBLASTX:Maize
Start	2	End	163
GI	none	Score	105
Exons	2..163, 3..158, 11..163		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o1.tm	Method	TBLASTX:Maize
Start	164	End	595
GI	none	Score	50
Exons	164..595, 201..365, 377..556		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o1.tw	Method	TBLASTX:Wheat
Start	218	End	704
GI	none	Score	239
Exons	218..595, 276..704, 650..700		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o2.tw	Method	TBLASTX:Wheat
Start	912	End	2141
GI	none	Score	128
Exons	912..1013, 1781..2140, 1782..2141		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o2.tm	Method	TBLASTX:Maize
Start	1595	End	1900
GI	none	Score	91
Exons	1595..1900, 1770..1886		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-
Start	2863	End	5997
Name	OJ000108_39.0426.C50.o2.gs	Method	GENSCAN
Start	2863	End	5997
GI	none	Score	.64
Exons	2863..3438, 4514..4609, 5526..5594, 5758..5997		

Seq. No.	49592	Seq. ID	OJ000108_39.0426.C50
Gene No.	105451	Strand	-

Start	2863	End	5997
Name	OJ000108_39.0426.C50.o1.gp	Method	AAT/GAP
Start	4300	End	4682
GI	uC-osflcyp033a04b1	Score	612
Exons	4300..4682		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49593	Seq. ID	OJ000108_39.0426.C51
Gene No.	105452	Strand	+
Start	644	End	2594
Name	OJ000108_39.0426.C51.o1.np	Method	AAT/NAP
Start	644	End	1696
GI	6721561	Score	765
Exons	644..728, 799..857, 934..1696		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49593	Seq. ID	OJ000108_39.0426.C51
Gene No.	105452	Strand	+
Start	644	End	2594
Name	OJ000108_39.0426.C51.o1.gs	Method	GENSCAN
Start	717	End	2594
GI	none	Score	.56
Exons	717..728, 799..857, 934..1273, 1310..1634, 1799..1975, 2101..2313, 2356..2594		

Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105453	Strand	+
Start	3123	End	5315
Name	OJ000108_39.0426.C52.o3.np	Method	AAT/NAP
Start	3123	End	5315
GI	7489805	Score	585
Exons	3123..3330, 4342..5315		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105453	Strand	+
Start	3123	End	5315
Name	OJ000108_39.0426.C52.o2.np	Method	AAT/NAP
Start	3971	End	5315
GI	4378066	Score	568
Exons	3971..4030, 4316..5315		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105454	Strand	-
Start	1	End	248
Name	OJ000108_39.0426.C52.o1.np	Method	AAT/NAP
Start	1	End	248
GI	7228457	Score	182

Exons	1..248		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105454	Strand	-
Start	1	End	248
Name	OJ000108_39.0426.C52.o1.gs	Method	GENSCAN
Start	73	End	212
GI	none	Score	.61
Exons	73..212		
Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105455	Strand	
Start	4379	End	4732
Name	OJ000108_39.0426.C52.o2.tw	Method	TBLASTX:Wheat
Start	4379	End	4732
GI	none	Score	57
Exons	4379..4477, 4382..4459, 4511..4732, 4592..4714, 4627..4731		
Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105456	Strand	
Start	4937	End	5315
Name	OJ000108_39.0426.C52.o1.tw	Method	TBLASTX:Wheat
Start	4937	End	5313
GI	none	Score	54
Exons	4937..5035, 5047..5313, 5049..5306, 5179..5265		
Seq. No.	49594	Seq. ID	OJ000108_39.0426.C52
Gene No.	105456	Strand	
Start	4937	End	5315
Name	OJ000108_39.0426.C52.o1.tm	Method	TBLASTX:Maize
Start	5064	End	5315
GI	none	Score	301
Exons	5064..5315, 5065..5313, 5193..5315		
Seq. No.	49595	Seq. ID	OJ000108_39.0426.C53
Gene No.	105457	Strand	+
Start	422	End	2368
Name	OJ000108_39.0426.C53.o1.gs	Method	GENSCAN
Start	422	End	2368
GI	none	Score	.89
Exons	422..492, 750..784, 2195..2368		
Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105458	Strand	+
Start	1	End	2787
Name	OJ000308_21.0417.C1.o1.np	Method	AAT/NAP
Start	1	End	2787
GI	4680203	Score	1680
Exons	1..94, 596..2787		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105458	Strand	+
Start	1	End	2787

Name	OJ000308_21.0417.C1.o1.gp	Method	AAT/GAP
Start	103	End	728
GI	2310235	Score	297
Exons	103..140, 589..728		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105458	Strand	+
Start	1	End	2787
Name	OJ000308_21.0417.C1.o1.gs	Method	GENSCAN
Start	826	End	2683
GI	none	Score	.41
Exons	826..1048, 1229..1401, 1450..1655, 1706..1898, 2081..2683		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o3.tw	Method	TBLASTX:Wheat
Start	895	End	1291
GI	none	Score	93
Exons	895..1047, 971..1033, 1030..1281, 1031..1273, 1038..1280, 1049..1291		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o1.ts	Method	TBLASTX:Soybean
Start	1212	End	1641
GI	none	Score	104
Exons	1212..1295, 1213..1287, 1288..1350, 1372..1641, 1399..1431, 1477..1623		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o1.tc	Method	TBLASTX:Cress
Start	1374	End	1689
GI	none	Score	268
Exons	1374..1526, 1381..1689, 1584..1661		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o1.tm	Method	TBLASTX:Maize
Start	1486	End	1766
GI	none	Score	207
Exons	1486..1689, 1509..1688, 1683..1766		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o2.tw	Method	TBLASTX:Wheat
Start	1509	End	1795
GI	none	Score	268
Exons	1509..1688, 1510..1689, 1682..1777, 1682..1795, 1683..1781, 1690..1782		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o1.tw	Method	TBLASTX:Wheat
Start	1838	End	2733
GI	none	Score	76
Exons	1838..2026, 1841..2047, 1884..2048, 2083..2319, 2084..2335, 2328..2369, 2330..2374, 2377..2472, 2381..2440, 2446..2559, 2447..2560, 2572..2643, 2573..2641, 2641..2733, 2667..2732		

Seq. No.	49596	Seq. ID	OJ000308_21.0417.C1
Gene No.	105459	Strand	-
Start	2428	End	2871
Name	OJ000308_21.0417.C1.o3.gp	Method	AAT/GAP
Start	2428	End	2871
GI	LIB3431-028-P1-N1-A10	Score	761
Exons	2428..2773, 2801..2871		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105460	Strand	+
Start	6525	End	6907
Name	OJ000308_21.0417.C2.o2.gp	Method	AAT/GAP
Start	6525	End	6907
GI	uC-osflcyp033a04b1	Score	656
Exons	6525..6907		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105461	Strand	+
Start	8380	End	12022
Name	OJ000308_21.0417.C2.o1.np	Method	AAT/NAP
Start	8380	End	12022
GI	4680204	Score	913
Exons	8380..9815, 9911..10934, 11041..11214, 11309..11439, 11788..12022		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105462	Strand	+
Start	15165	End	15845
Name	OJ000308_21.0417.C2.o3.gp	Method	AAT/GAP
Start	14987	End	15368
GI	uC-osflcyp033a04b1	Score	667
Exons	14987..15368		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105462	Strand	+
Start	15165	End	15845
Name	OJ000308_21.0417.C2.o5.gs	Method	GENSCAN
Start	15165	End	15845
GI	none	Score	.83

Exons	15165..15240, 15808..15845		
Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105463	Strand	+
Start	17135	End	17914
Name	OJ000308_21.0417.C2.o6.gs	Method	GENSCAN
Start	17135	End	17914
GI	none	Score	.65
Exons	17135..17195, 17787..17914		
Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105464	Strand	-
Start	14920	End	27894
Name	OJ000308_21.0417.C2.o2.np	Method	AAT/NAP
Start	14920	End	19962
GI	4680186	Score	377
Exons	14920..15120, 15957..16018, 19913..19962		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105464	Strand	-
Start	14920	End	27894
Name	OJ000308_21.0417.C2.o7.gs	Method	GENSCAN
Start	19685	End	27894
GI	none	Score	.41
Exons	19685..20214, 20372..20438, 21360..21410, 21446..21693, 21742..21857, 22042..22138, 23386..23641, 24404..24536, 24564..25205, 25849..25957, 25984..26083, 26250..26446, 27834..27894		
Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105464	Strand	-
Start	14920	End	27894
Name	OJ000308_21.0417.C2.o3.np	Method	AAT/NAP
Start	21051	End	21925
GI	629693	Score	279
Exons	21051..21755, 21855..21925		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105464	Strand	-
Start	14920	End	27894
Name	OJ000308_21.0417.C2.o4.np	Method	AAT/NAP
Start	21850	End	26573
GI	7248394	Score	266
Exons	21850..22214, 22607..22940, 26551..26573		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o2.tw	Method	TBLASTX:Wheat

Start	9025	End	9426
GI	none	Score	218
Exons	9025..9261, 9025..9219, 9126..9266, 9309..9425, 9331..9426		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o3.tw	Method	TBLASTX:Wheat
Start	9442	End	10123
GI	none	Score	56
Exons	9442..9507, 9747..9821, 9904..9996, 9905..10123, 10087..10122		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o2.ts	Method	TBLASTX:Soybean
Start	21386	End	21685
GI	none	Score	190
Exons	21386..21685		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o8.gs	Method	GENSCAN
Start	28509	End	30233
GI	none	Score	.61
Exons	28509..28616, 28666..28809, 30100..30233		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o5.np	Method	AAT/NAP
Start	29968	End	30550
GI	2443320	Score	912
Exons	29968..30550		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o1.tm	Method	TBLASTX:Maize
Start	29978	End	30412
GI	none	Score	96
Exons	29978..30199, 29983..30228, 30007..30225, 30235..30411, 30266..30412		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550
Name	OJ000308_21.0417.C2.o1.tw	Method	TBLASTX:Wheat
Start	30007	End	30495
GI	none	Score	335
Exons	30007..30495, 30008..30427, 30031..30489, 30162..30494		

Seq. No.	49597	Seq. ID	OJ000308_21.0417.C2
Gene No.	105465	Strand	-
Start	28509	End	30550

Name	OJ000308_21.0417.C2.o1.ts	Method	TBLASTX:Soybean
Start	30106	End	30405
GI	none	Score	161
Exons	30106..30210, 30232..30405		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105466	Strand	+
Start	3203	End	3534
Name	OJ000308_21.0417.C3.o1.gp	Method	AAT/GAP
Start	3203	End	3534
GI	4715611	Score	616
Exons	3203..3534		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-
Start	1	End	6712
Name	OJ000308_21.0417.C3.o1.np	Method	AAT/NAP
Start	1	End	6712
GI	2443320	Score	1423
Exons	1..493, 6083..6712		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-
Start	1	End	6712
Name	OJ000308_21.0417.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	497
GI	none	Score	83
Exons	2..112, 4..174, 156..350, 156..365, 160..357, 359..496, 369..497		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-
Start	1	End	6712
Name	OJ000308_21.0417.C3.o1.tm	Method	TBLASTX:Maize
Start	120	End	482
GI	none	Score	83
Exons	120..359, 136..345, 183..347, 353..481, 354..482		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-
Start	1	End	6712
Name	OJ000308_21.0417.C3.o1.ts	Method	TBLASTX:Soybean
Start	187	End	6223
GI	5509260	Score	97
Exons	187..345, 195..368, 353..481, 378..482, 6086..6223		
GI Descrip.	-		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-
Start	1	End	6712
Name	OJ000308_21.0417.C3.o2.gs	Method	GENSCAN
Start	6017	End	6471
GI	none	Score	.93
Exons	6017..6471		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-

Start	1	End	6712
Name	OJ000308_21.0417.C3.o3.tw	Method	TBLASTX:Wheat
Start	6077	End	6289
GI	none	Score	118
Exons	6077..6289, 6079..6228, 6081..6245		

Seq. No.	49598	Seq. ID	OJ000308_21.0417.C3
Gene No.	105467	Strand	-
Start	1	End	6712
Name	OJ000308_21.0417.C3.o2.tw	Method	TBLASTX:Wheat
Start	6467	End	6712
GI	none	Score	192
Exons	6467..6712, 6471..6707		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105468	Strand	+
Start	2398	End	12691
Name	OJ000308_21.0417.C4.o1.gs	Method	GENSCAN
Start	2398	End	6723
GI	none	Score	.68
Exons	2398..2497, 3114..3231, 5524..5544, 5940..6723		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105468	Strand	+
Start	2398	End	12691
Name	OJ000308_21.0417.C4.o2.np	Method	AAT/NAP
Start	5940	End	8888
GI	6815107	Score	693
Exons	5940..7104, 7220..7402, 7652..7817, 8867..8888		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105468	Strand	+
Start	2398	End	12691
Name	OJ000308_21.0417.C4.o2.gs	Method	GENSCAN
Start	7576	End	12691
GI	none	Score	.49
Exons	7576..8001, 8114..8230, 12060..12121, 12363..12398, 12508..12691		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105468	Strand	+
Start	2398	End	12691
Name	OJ000308_21.0417.C4.o2.gp	Method	AAT/GAP
Start	11078	End	11936
GI	31877_1.R1084	Score	547
Exons	11078..11117, 11592..11936		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105469	Strand	-
Start	1	End	1819
Name	OJ000308_21.0417.C4.o1.np	Method	AAT/NAP
Start	1	End	1819
GI	2443320	Score	2383
Exons	1..1819		

GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105470	Strand	-
Start	11605	End	11936
Name	OJ000308_21.0417.C4.o1.gp	Method	AAT/GAP
Start	11605	End	11936
GI	31877_1.R1084	Score	549
Exons	11605..11936		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o3.tm	Method	TBLASTX:Maize
Start	1	End	345
GI	none	Score	197
Exons	1..345		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o1.tw	Method	TBLASTX:Wheat
Start	52	End	412
GI	none	Score	269
Exons	52..411, 53..412		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o2.tw	Method	TBLASTX:Wheat
Start	413	End	818
GI	none	Score	69
Exons	413..571, 414..515, 415..525, 504..767, 566..787, 569..739, 573..818		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o3.tw	Method	TBLASTX:Wheat
Start	1279	End	1623
GI	none	Score	218
Exons	1279..1623		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o1.tm	Method	TBLASTX:Maize
Start	5949	End	6318
GI	none	Score	78
Exons	5949..6125, 5950..6141, 5950..6141, 6154..6318, 6157..6300		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o2.tm	Method	TBLASTX:Maize

Start	6532	End	6886
GI	none	Score	144
Exons	6532..6711, 6561..6710, 6580..6753, 6716..6877, 6833..6886		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o1.ts	Method	TBLASTX:Soybean
Start	6592	End	6883
GI	none	Score	114
Exons	6592..6714, 6725..6883		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o4.tm	Method	TBLASTX:Maize
Start	7477	End	7815
GI	none	Score	185
Exons	7477..7623, 7507..7815		

Seq. No.	49599	Seq. ID	OJ000308_21.0417.C4
Gene No.	105471	Strand	-
Start	12997	End	13396
Name	OJ000308_21.0417.C4.o3.gs	Method	GENSCAN
Start	12997	End	13396
GI	none	Score	.85
Exons	12997..13075, 13112..13206, 13259..13396		

Seq. No.	49600	Seq. ID	OJ000308_21.0417.C5
Gene No.	105472	Strand	-
Start	202	End	2386
Name	OJ000308_21.0417.C5.o1.np	Method	AAT/NAP
Start	202	End	2386
GI	5902444	Score	344
Exons	202..1028, 2350..2386		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	49600	Seq. ID	OJ000308_21.0417.C5
Gene No.	105472	Strand	-
Start	202	End	2386
Name	OJ000308_21.0417.C5.o1.tw	Method	TBLASTX:Wheat
Start	418	End	823
GI	none	Score	72
Exons	418..519, 510..638, 510..638, 511..639, 698..823		

Seq. No.	49600	Seq. ID	OJ000308_21.0417.C5
Gene No.	105472	Strand	-
Start	202	End	2386
Name	OJ000308_21.0417.C5.o2.tw	Method	TBLASTX:Wheat
Start	1836	End	2135
GI	none	Score	88
Exons	1836..1880, 1882..2040, 1895..1978, 1915..2007, 2037..2135		

Seq. No.	49601	Seq. ID	OJ000308_21.0417.C6
Gene No.	105473	Strand	-
Start	1166	End	1625
Name	OJ000308_21.0417.C6.o1.gs	Method	GENSCAN

Start	1166	End	1625
GI	none	Score	.95
Exons	1166..1625		

Seq. No.	49602	Seq. ID	OJ000308_21.0417.C7
Gene No.	105474	Strand	+
Start	102	End	668
Name	OJ000308_21.0417.C7.o1.gp	Method	AAT/GAP
Start	102	End	668
GI	4879016	Score	878
Exons	102..668		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	49602	Seq. ID	OJ000308_21.0417.C7
Gene No.	105474	Strand	+
Start	102	End	668
Name	OJ000308_21.0417.C7.o1.gs	Method	GENSCAN
Start	326	End	463
GI	none	Score	.59
Exons	326..463		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105475	Strand	+
Start	41	End	3574
Name	OJ000308_21.0417.C8.o1.gs	Method	GENSCAN
Start	41	End	3062
GI	none	Score	.56
Exons	41..50, 493..1900, 1983..2341, 2420..2607, 2682..2871, 2944..3062		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105475	Strand	+
Start	41	End	3574
Name	OJ000308_21.0417.C8.o1.np	Method	AAT/NAP
Start	644	End	3562
GI	6691716	Score	2526
Exons	644..1516, 1704..1900, 1983..2089, 2166..2341, 2420..2607, 2682..2793, 2944..3048, 3122..3562		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105475	Strand	+
Start	41	End	3574
Name	OJ000308_21.0417.C8.o2.gs	Method	GENSCAN
Start	3206	End	3574
GI	none	Score	.85
Exons	3206..3574		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105476	Strand	-
Start	3939	End	9684
Name	OJ000308_21.0417.C8.o2.np	Method	AAT/NAP
Start	3939	End	9684

GI	5922631	Score	6206
Exons	3939..6432, 7038..7947, 8074..8811, 8857..9059, 9318..9684		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o4.tw	Method	TBLASTX:Wheat
Start	3918	End	4501
GI	none	Score	85
Exons	3918..4052, 4038..4211, 4217..4345, 4222..4500, 4412..4501		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o4.tm	Method	TBLASTX:Maize
Start	3954	End	4208
GI	none	Score	105
Exons	3954..4055, 3955..4056, 4035..4208, 4036..4161		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o3.tw	Method	TBLASTX:Wheat
Start	4613	End	5002
GI	none	Score	47
Exons	4613..4660, 4615..4800, 4615..5001, 4691..5002, 4844..5002		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o1.tm	Method	TBLASTX:Maize
Start	4645	End	5008
GI	none	Score	250
Exons	4645..4692, 4684..5007, 4697..5008		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o9.tw	Method	TBLASTX:Wheat
Start	5005	End	5304
GI	none	Score	87
Exons	5005..5103, 5157..5270, 5161..5301, 5170..5304		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o5.tw	Method	TBLASTX:Wheat
Start	5320	End	5742
GI	none	Score	209
Exons	5320..5742, 5396..5737		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o3.ts	Method	TBLASTX:Soybean
Start	5363	End	5751
GI	none	Score	59
Exons	5363..5482, 5365..5487, 5536..5607, 5537..5743, 5647..5751		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o7.tw	Method	TBLASTX:Wheat
Start	5742	End	6027
GI	none	Score	73
Exons	5742..5837, 5746..6027, 5758..5838, 5926..6018		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o3.tm	Method	TBLASTX:Maize
Start	5866	End	6305
GI	none	Score	46
Exons	5866..5892, 5890..6033, 5902..6024, 6104..6304, 6104..6304, 6105..6305		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o1.ts	Method	TBLASTX:Soybean
Start	5977	End	6403
GI	none	Score	139
Exons	5977..6108, 6104..6403, 6129..6356		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o2.tw	Method	TBLASTX:Wheat
Start	6037	End	6451
GI	none	Score	201
Exons	6037..6093, 6104..6451, 6105..6353		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o2.tm	Method	TBLASTX:Maize
Start	6535	End	6891
GI	none	Score	202
Exons	6535..6891, 6545..6850		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o1.tw	Method	TBLASTX:Wheat
Start	6565	End	7021
GI	none	Score	260
Exons	6565..7020, 6566..7021		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o2.ts	Method	TBLASTX:Soybean
Start	6616	End	6981
GI	none	Score	129
Exons	6616..6750, 6757..6981		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o6.tw	Method	TBLASTX:Wheat
Start	7264	End	7651
GI	none	Score	94
Exons	7264..7386, 7280..7375, 7371..7508, 7385..7651		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o8.tw	Method	TBLASTX:Wheat
Start	8236	End	8629
GI	none	Score	60
Exons	8236..8628, 8567..8629		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o1.gp	Method	AAT/GAP
Start	9598	End	11077
GI	61605_1.R1084	Score	587
Exons	9598..9870, 10998..11077		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49603	Seq. ID	OJ000308_21.0417.C8
Gene No.	105477	Strand	-
Start	9598	End	11607
Name	OJ000308_21.0417.C8.o3.np	Method	AAT/NAP
Start	10241	End	11607
GI	6063554	Score	254
Exons	10241..10415, 11050..11077, 11248..11607		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49604	Seq. ID	OJ000308_20.0419.C2
Gene No.	105478	Strand	-
Start	343	End	662
Name	OJ000308_20.0419.C2.o1.gs	Method	GENSCAN
Start	343	End	662
GI	none	Score	.61
Exons	343..455, 530..662		

Seq. No.	49605	Seq. ID	OJ000308_20.0419.C6
Gene No.	105479	Strand	+
Start	390	End	998

Name	OJ000308_20.0419.C6.o1.gs	Method	GENSCAN
Start	390	End	998
GI	none	Score	.92
Exons	390..481, 842..998		

Seq. No.	49605	Seq. ID	OJ000308_20.0419.C6
Gene No.	105480	Strand	+
Start	2043	End	3881
Name	OJ000308_20.0419.C6.o2.gs	Method	GENSCAN
Start	2043	End	3881
GI	none	Score	.45
Exons	2043..2124, 2292..2520, 2678..2821, 3216..3285, 3765..3881		

Seq. No.	49605	Seq. ID	OJ000308_20.0419.C6
Gene No.	105481	Strand	-
Start	884	End	1422
Name	OJ000308_20.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	861	End	1416
GI	none	Score	106
Exons	861..971, 868..1014, 1167..1247, 1169..1279, 1173..1268, 1195..1269, 1249..1416, 1264..1413		

Seq. No.	49605	Seq. ID	OJ000308_20.0419.C6
Gene No.	105481	Strand	-
Start	884	End	1422
Name	OJ000308_20.0419.C6.o1.np	Method	AAT/NAP
Start	884	End	1415
GI	4884932	Score	199
Exons	884..958, 1169..1415		
GI Descrip.	(AF141659) AtHVA22a [Arabidopsis thaliana] gi|4884944|gb|AAD31885.1|AF141977_1 (AF141977) AtHVA22a [Arabidopsis thaliana] gi|6539254|gb|AAF15924.1|AC011765_20 (AC011765) AtHVA22a [Arabidopsis thaliana]		

Seq. No.	49605	Seq. ID	OJ000308_20.0419.C6
Gene No.	105481	Strand	-
Start	884	End	1422
Name	OJ000308_20.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	1176	End	1422
GI	none	Score	44
Exons	1176..1226, 1258..1413, 1276..1422		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105482	Strand	+
Start	208	End	1295
Name	OJ000308_20.0419.C7.o1.gs	Method	GENSCAN
Start	208	End	1295
GI	none	Score	.83
Exons	208..463, 574..1295		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	2534
GI	4378066	Score	889
Exons	1..98, 1531..2534		

GI Descrip. (AF098806) polyprotein [Sorghum bicolor]
gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o2.gs	Method	GENSCAN
Start	1538	End	2519
GI	none	Score	.55
Exons	1538..2097, 2339..2519		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	1652	End	1892
GI	none	Score	58
Exons	1652..1885, 1749..1892		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	1955	End	2288
GI	none	Score	79
Exons	1955..2206, 2191..2283, 2193..2288		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o3.tw	Method	TBLASTX:Wheat
Start	1967	End	2179
GI	none	Score	56
Exons	1967..2179, 2072..2158, 2076..2174		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	2063	End	2423
GI	none	Score	89
Exons	2063..2179, 2073..2180, 2076..2180, 2184..2423, 2191..2382		

Seq. No.	49606	Seq. ID	OJ000308_20.0419.C7
Gene No.	105483	Strand	-
Start	1	End	2534
Name	OJ000308_20.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	2184	End	2534
GI	none	Score	210
Exons	2184..2534, 2191..2508		

Seq. No.	49607	Seq. ID	OJ000308_20.0419.C9
Gene No.	105484	Strand	+
Start	1	End	704
Name	OJ000308_20.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	704

GI	5902444	Score	375
Exons	1..704		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	49607	Seq. ID	OJ000308_20.0419.C9
Gene No.	105484	Strand	+
Start	1	End	704
Name	OJ000308_20.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	213	End	618
GI	none	Score	93
Exons	213..338, 397..525, 398..526, 398..526, 517..618		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105485	Strand	+
Start	9	End	2480
Name	OJ000308_20.0419.C12.o1.np	Method	AAT/NAP
Start	9	End	1464
GI	1173286	Score	625
Exons	9..414, 1290..1464		
GI Descrip.	40S RIBOSOMAL PROTEIN S9 gi|112274|pir||S21497 ribosomal protein S9 - rat gi|57143|emb|CAA47013| (X66370) ribosomal protein S9 [Rattus norvegicus]		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105485	Strand	+
Start	9	End	2480
Name	OJ000308_20.0419.C12.o1.gs	Method	GENSCAN
Start	50	End	2480
GI	none	Score	.6
Exons	50..414, 1290..1444, 2152..2480		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105485	Strand	+
Start	9	End	2480
Name	OJ000308_20.0419.C12.o1.gp	Method	AAT/GAP
Start	168	End	1784
GI	5144_4.R1084	Score	1406
Exons	168..414, 1290..1784		
GI Descrip.	'1173286/sp|P29314|RS9_RAT 1.0e-47 40S RIBOSOMAL PROTEIN S9 >gi_112274_pir__S21497 ribosomal protein S9 - rat >gi_57143_emb_CAA47013_ (X66370) ribosomal protein S9 [Rattus norvegicus]'		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105486	Strand	+
Start	5711	End	7893
Name	OJ000308_20.0419.C12.o3.gs	Method	GENSCAN
Start	5711	End	7893
GI	none	Score	.88
Exons	5711..5835, 6951..7108, 7206..7330, 7348..7893		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	38	End	1342
GI	none	Score	595

Exons	38..412, 47..415, 100..414, 1287..1340, 1287..1340, 1288..1341, 1289..1342		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	38	End	1428
GI	none	Score	606
Exons	38..415, 47..415, 1287..1376, 1288..1428, 1288..1389		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o2.tc	Method	TBLASTX:Cress
Start	38	End	427
GI	none	Score	224
Exons	38..415, 48..416, 53..427, 100..420		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o2.ts	Method	TBLASTX:Soybean
Start	47	End	1428
GI	none	Score	583
Exons	47..415, 100..414, 1287..1370, 1287..1361, 1288..1428, 1310..1381		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o4.tc	Method	TBLASTX:Cress
Start	1287	End	1428
GI	none	Score	205
Exons	1287..1358, 1288..1428		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o2.tw	Method	TBLASTX:Wheat
Start	6949	End	7270
GI	none	Score	208
Exons	6949..7107, 6955..7098, 6962..7099, 6963..7139, 7203..7265, 7205..7270, 7206..7268, 7219..7269		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o3.tc	Method	TBLASTX:Cress
Start	6949	End	7890
GI	none	Score	107
Exons	6949..7107, 6958..7095, 7191..7313, 7205..7315, 7483..7665, 7494..7655, 7681..7890, 7716..7835		
Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386

Name	OJ000308_20.0419.C12.o3.ts	Method	TBLASTX:Soybean
Start	7483	End	7890
GI	none	Score	212
Exons	7483..7680, 7515..7586, 7780..7890		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o3.tm	Method	TBLASTX:Maize
Start	7498	End	7898
GI	none	Score	180
Exons	7498..7626, 7500..7586, 7576..7734, 7626..7727, 7698..7898, 7699..7893		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o4.tm	Method	TBLASTX:Maize
Start	9255	End	10008
GI	none	Score	72
Exons	9255..9302, 9256..9303, 9295..9411, 9296..9424, 9303..9425, 9581..9661, 9589..9657, 9591..9671, 9764..9880, 9765..9890, 9768..9893, 9769..9906, 9878..9994, 9879..10007, 9886..10008, 9888..10007		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o3.gp	Method	AAT/GAP
Start	11435	End	11953
GI	22117_1.R1084	Score	784
Exons	11435..11578, 11670..11953		
GI Descrip.	'4027891 6.0e-51 (AF049350) alpha-expansin precursor [Nicotiana tabacum]'		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o2.np	Method	AAT/NAP
Start	11437	End	12380
GI	4027891	Score	878
Exons	11437..11578, 11670..11988, 12077..12380		
GI Descrip.	(AF049350) alpha-expansin precursor [Nicotiana tabacum]		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o4.gs	Method	GENSCAN
Start	11455	End	12386
GI	none	Score	.98
Exons	11455..11578, 11670..12054, 12077..12386		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	11545	End	12362

GI	none	Score	65
Exons	11545..11580, 11665..11982, 11669..11989, 12075..12362, 12077..12253		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	11545	End	12380
GI	none	Score	65
Exons	11545..11580, 11665..11790, 11669..11791, 11791..11988, 11792..11989, 11915..11989, 11922..12005, 12074..12379, 12075..12380		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	11545	End	12365
GI	none	Score	65
Exons	11545..11580, 11665..11838, 11669..11839, 11797..11976, 11825..11995, 12072..12197, 12074..12358, 12075..12365		

Seq. No.	49608	Seq. ID	OJ000308_20.0419.C12
Gene No.	105487	Strand	+
Start	11455	End	12386
Name	OJ000308_20.0419.C12.o3.tw	Method	TBLASTX:Wheat
Start	11846	End	12248
GI	none	Score	99
Exons	11846..11989, 11884..11934, 12045..12194, 12074..12247, 12075..12248		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105488	Strand	+
Start	660	End	2107
Name	OJ000308_20.0419.C13.o1.gs	Method	GENSCAN
Start	660	End	2107
GI	none	Score	.87
Exons	660..735, 1877..2037, 2069..2107		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105489	Strand	+
Start	2314	End	2785
Name	OJ000308_20.0419.C13.o1.gp	Method	AAT/GAP
Start	2314	End	2785
GI	uC-osrocyp017e11a1	Score	845
Exons	2314..2785		
GI Descrip.	'2924247/emb|CAA69105| 2.0e-25 (Y07782) expansin [Oryza sativa]'		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105490	Strand	+
Start	6517	End	7825
Name	OJ000308_20.0419.C13.o2.np	Method	AAT/NAP
Start	6517	End	7825
GI	5777617	Score	78
Exons	6517..6550, 7725..7825		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105491	Strand	+
Start	9179	End	12130
Name	OJ000308_20.0419.C13.o3.np	Method	AAT/NAP
Start	9179	End	12130
GI	4680186	Score	163
Exons	9179..9290, 10561..10730, 11302..11435, 12053..12130		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105492	Strand	+
Start	12601	End	15012
Name	OJ000308_20.0419.C13.o4.np	Method	AAT/NAP
Start	12601	End	15012
GI	6907086	Score	411
Exons	12601..13445, 14953..15012		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105493	Strand	-
Start	2447	End	3618
Name	OJ000308_20.0419.C13.o2.gs	Method	GENSCAN
Start	2447	End	3559
GI	none	Score	.54
Exons	2447..2759, 2994..3315, 3427..3559		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105493	Strand	-
Start	2447	End	3618
Name	OJ000308_20.0419.C13.o2.gp	Method	AAT/GAP
Start	2966	End	3618
GI	uC-osrocyp017e11b1	Score	943
Exons	2966..3315, 3427..3618		
GI Descrip.	'4027891 2.0e-56 (AF049350) alpha-expansin precursor [Nicotiana tabacum]'		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	2447	End	6240
GI	none	Score	87
Exons	2447..2611, 2453..2761, 2457..2633, 2691..2762, 2993..3316, 2997..3317, 3425..3490, 3426..3491, 5320..5640, 5351..5629, 5449..5637, 5762..5830, 5762..6085, 5763..6089, 6172..6240, 6173..6232		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o2.tc	Method	TBLASTX:Cress
Start	2462	End	5641
GI	none	Score	88
Exons	2462..2617, 2471..2761, 2478..2753, 5333..5641, 5338..5628		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13

Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o2.ts	Method	TBLASTX:Soybean
Start	2462	End	5827
GI	none	Score	83
Exons	2462..2626, 2463..2633, 2693..2761, 2715..2762, 2993..3058, 5341..5628, 5348..5641, 5543..5641, 5762..5827		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	2585	End	5909
GI	none	Score	85
Exons	2585..2761, 2586..2762, 2993..3136, 5453..5626, 5455..5628, 5456..5641, 5749..5892, 5762..5905, 5775..5909		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	2993	End	6234
GI	none	Score	275
Exons	2993..3316, 2997..3131, 3030..3317, 3425..3484, 3426..3485, 5739..6089, 5762..6085, 6172..6234, 6173..6232		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	3059	End	6234
GI	none	Score	275
Exons	3059..3316, 3060..3317, 3425..3484, 3426..3485, 5828..6085, 5829..6089, 6172..6234, 6173..6232		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o3.gs	Method	GENSCAN
Start	5314	End	13912
GI	none	Score	.41
Exons	5314..5626, 5763..6084, 6150..6407, 6479..6558, 6944..7028, 7607..7738, 8726..8833, 9172..9278, 10544..10638, 12678..12924, 13078..13304, 13327..13378, 13779..13912		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o1.np	Method	AAT/NAP
Start	5320	End	6360
GI	7489469	Score	850
Exons	5320..5626, 5763..6084, 6174..6280, 6314..6360		
GI Descrip.	expansin - rice gi|2924247|emb|CAA69105.1| (Y07782) expansin [Oryza sativa]		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-

Start	5314	End	17287
Name	OJ000308_20.0419.C13.o5.np	Method	AAT/NAP
Start	13597	End	15260
GI	6907086	Score	1089
Exons	13597..14010; 14248..14440, 14500..15260		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o6.np	Method	AAT/NAP
Start	14425	End	17287
GI	4680186	Score	165
Exons	14425..14444, 16181..16355, 16825..16884, 17136..17287		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49609	Seq. ID	OJ000308_20.0419.C13
Gene No.	105494	Strand	-
Start	5314	End	17287
Name	OJ000308_20.0419.C13.o4.gs	Method	GENSCAN
Start	14507	End	15142
GI	none	Score	.96
Exons	14507..15142		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105495	Strand	+
Start	573	End	1682
Name	OJ000308_20.0419.C15.o1.np	Method	AAT/NAP
Start	573	End	1673
GI	4027891	Score	763
Exons	573..716, 894..1209, 1370..1673		
GI Descrip.	(AF049350) alpha-expansin precursor [Nicotiana tabacum]		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105495	Strand	+
Start	573	End	1682
Name	OJ000308_20.0419.C15.o1.gs	Method	GENSCAN
Start	596	End	1682
GI	none	Score	.99
Exons	596..716, 894..1209, 1370..1682		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105496	Strand	-
Start	3138	End	3368
Name	OJ000308_20.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	889	End	1204
GI	none	Score	70
Exons	889..1005, 889..1086, 893..1093, 1105..1203, 1106..1204		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105496	Strand	-
Start	3138	End	3368
Name	OJ000308_20.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	889	End	1667
GI	none	Score	181
Exons	889..990, 893..1021, 1052..1102, 1054..1101, 1105..1194, 1106..1210, 1362..1667, 1367..1651		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105496	Strand	-
Start	3138	End	3368
Name	OJ000308_20.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	889	End	1678
GI	none	Score	272
Exons	889..1101, 893..1102, 1104..1205, 1105..1206, 1106..1210, 1362..1673, 1362..1451, 1367..1678		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105496	Strand	-
Start	3138	End	3368
Name	OJ000308_20.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	1103	End	1544
GI	none	Score	76
Exons	1103..1210, 1364..1543, 1368..1544		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105496	Strand	-
Start	3138	End	3368
Name	OJ000308_20.0419.C15.o2.tc	Method	TBLASTX:Cress
Start	1362	End	1658
GI	none	Score	304
Exons	1362..1658, 1367..1654		

Seq. No.	49610	Seq. ID	OJ000308_20.0419.C15
Gene No.	105496	Strand	-
Start	3138	End	3368
Name	OJ000308_20.0419.C15.o2.gs	Method	GENSCAN
Start	3138	End	3368
GI	none	Score	.84
Exons	3138..3368		

Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105497	Strand	+
Start	2161	End	3132
Name	OJ000308_20.0419.C16.o1.np	Method	AAT/NAP
Start	2138	End	3123
GI	4027891	Score	760
Exons	2138..2281, 2399..2714, 2820..3123		
GI Descrip.	(AF049350) alpha-expansin precursor [Nicotiana tabacum]		

Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105497	Strand	+
Start	2161	End	3132
Name	OJ000308_20.0419.C16.o1.gs	Method	GENSCAN
Start	2161	End	3132
GI	none	Score	.78
Exons	2161..2281, 2399..2714, 2820..3132		

Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	2241	End	3108
GI	none	Score	162

Exons	2241..2282, 2394..2501, 2398..2517, 2533..2592, 2601..2699, 2605..2715, 2808..2990, 2818..3108, 2851..3099		
Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	2370	End	3123
GI	none	Score	277
Exons	2370..2606, 2398..2607, 2442..2615, 2494..2622, 2608..2664, 2609..2665, 2610..2711, 2611..2715, 2817..2999, 2817..3110, 2818..3123, 2851..3123		
Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	2370	End	3108
GI	none	Score	174
Exons	2370..2495, 2398..2517, 2557..2607, 2610..2699, 2611..2715, 2817..3101, 2818..3108		
Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	2608	End	2994
GI	none	Score	75
Exons	2608..2715, 2608..2655, 2814..2993, 2817..2993, 2818..2994		
Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o2.gs	Method	GENSCAN
Start	4193	End	5970
GI	none	Score	.44
Exons	4193..4315, 4595..4707, 5218..5333, 5659..5783, 5884..5970		
Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o2.np	Method	AAT/NAP
Start	5191	End	6621
GI	6907088	Score	1127
Exons	5191..5328, 5504..5741, 6238..6621		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o1.gp	Method	AAT/GAP
Start	6002	End	6195
GI	5667165	Score	356
Exons	6002..6195		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	49611	Seq. ID	OJ000308_20.0419.C16
Gene No.	105498	Strand	+
Start	4193	End	7013
Name	OJ000308_20.0419.C16.o3.gs	Method	GENSCAN
Start	6519	End	7013
GI	none	Score	.94
Exons	6519..7013		

Seq. No.	49612	Seq. ID	OJ000308_20.0419.C17
Gene No.	105499	Strand	+
Start	4099	End	5593
Name	OJ000308_20.0419.C17.o1.np	Method	AAT/NAP
Start	4099	End	5593
GI	4027891	Score	658
Exons	4099..4238, 4895..5183, 5290..5593		
GI Descrip.	(AF049350) alpha-expansin precursor [Nicotiana tabacum]		

Seq. No.	49612	Seq. ID	OJ000308_20.0419.C17
Gene No.	105500	Strand	+
Start	6991	End	7380
Name	OJ000308_20.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	4184	End	5577
GI	none	Score	72
Exons	4184..4240, 4878..4991, 4879..5013, 5079..5168, 5080..5184, 5288..5575, 5290..5577		

Seq. No.	49612	Seq. ID	OJ000308_20.0419.C17
Gene No.	105500	Strand	+
Start	6991	End	7380
Name	OJ000308_20.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	4184	End	5578
GI	none	Score	73
Exons	4184..4240, 4878..4991, 4879..5013, 5070..5168, 5074..5184, 5287..5571, 5288..5578		

Seq. No.	49612	Seq. ID	OJ000308_20.0419.C17
Gene No.	105500	Strand	+
Start	6991	End	7380
Name	OJ000308_20.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	4199	End	5593
GI	none	Score	67
Exons	4199..4240, 4878..5075, 4879..5076, 5061..5180, 5079..5180, 5080..5184, 5116..5181, 5287..5580, 5288..5593, 5288..5593		

Seq. No.	49612	Seq. ID	OJ000308_20.0419.C17
Gene No.	105500	Strand	+
Start	6991	End	7380
Name	OJ000308_20.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	5077	End	5464
GI	none	Score	70
Exons	5077..5184, 5273..5461, 5284..5463, 5288..5464		

Seq. No.	49612	Seq. ID	OJ000308_20.0419.C17
Gene No.	105500	Strand	+
Start	6991	End	7380
Name	OJ000308_20.0419.C17.o3.gs	Method	GENSCAN
Start	6991	End	7380

GI	none	Score	.44
Exons	6991..7380		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105501	Strand	+
Start	1	End	3437
Name	OJ000308_20.0419.C18.o1.gp	Method	AAT/GAP
Start	1	End	146
GI	none	Score	232
Exons	1..146		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105501	Strand	+
Start	1	End	3437
Name	OJ000308_20.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	2288
GI	7506734	Score	63
Exons	1..48, 450..619, 707..797, 2185..2288		
GI Descrip.	hypothetical protein R144.7 - Caenorhabditis elegans gi|746500|gb|AAC46552.1| (U23515) weak similarity to lupus LA proteins [Caenorhabditis elegans]		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105501	Strand	+
Start	1	End	3437
Name	OJ000308_20.0419.C18.o1.gs	Method	GENSCAN
Start	107	End	3437
GI	none	Score	.62
Exons	107..384, 466..619, 707..797, 2185..2256, 3366..3437		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105501	Strand	+
Start	1	End	3437
Name	OJ000308_20.0419.C18.o2.gp	Method	AAT/GAP
Start	155	End	387
GI	2799645	Score	376
Exons	155..387		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105502	Strand	+
Start	4008	End	4179
Name	OJ000308_20.0419.C18.o3.gp	Method	AAT/GAP
Start	4008	End	4179
GI	none	Score	243
Exons	4008..4179		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105503	Strand	-
Start	4051	End	4136
Name	OJ000308_20.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	326	End	2255
GI	none	Score	78
Exons	326..382, 348..389, 483..572, 483..563, 678..800, 686..790, 2181..2255, 2185..2253		

Seq. No.	49613	Seq. ID	OJ000308_20.0419.C18
Gene No.	105503	Strand	-

Start	4051	End	4136
Name	OJ000308_20.0419.C18.o2.gs	Method	GENSCAN
Start	4051	End	4136
GI	none	Score	.83
Exons	4051..4136		

Seq. No.	49614	Seq. ID	OJ000308_20.0419.C19
Gene No.	105504	Strand	-
Start	47	End	499
Name	OJ000308_20.0419.C19.o1.gp	Method	AAT/GAP
Start	47	End	499
GI	none	Score	835
Exons	47..499		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-
Start	1215	End	3875
Name	OJ000308_20.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	958	End	1383
GI	none	Score	178
Exons	958..1272, 973..1284, 974..1282, 1046..1291, 1279..1383		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-
Start	1215	End	3875
Name	OJ000308_20.0419.C20.o1.np	Method	AAT/NAP
Start	976	End	1785
GI	4581123	Score	849
Exons	976..1785		
GI Descrip.	(AC005825) unknown protein [Arabidopsis thaliana]		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-
Start	1215	End	3875
Name	OJ000308_20.0419.C20.o1.tc	Method	TBLASTX:Cress
Start	976	End	1294
GI	none	Score	90
Exons	976..1041, 1042..1290, 1046..1291, 1048..1167, 1049..1294		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-
Start	1215	End	3875
Name	OJ000308_20.0419.C20.o1.gs	Method	GENSCAN
Start	1215	End	3875
GI	none	Score	.45
Exons	1215..1285, 1317..1397, 3701..3875		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-
Start	1215	End	3875
Name	OJ000308_20.0419.C20.o2.ts	Method	TBLASTX:Soybean
Start	1385	End	1674
GI	none	Score	140
Exons	1385..1645, 1389..1655, 1404..1655, 1412..1663, 1420..1674		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-

Start	1215	End	3875
Name	OJ000308_20.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	1400	End	1788
GI	none	Score	247
Exons	1400..1675, 1402..1662, 1407..1664, 1420..1776, 1421..1681, 1671..1718, 1675..1788, 1721..1786		

Seq. No.	49615	Seq. ID	OJ000308_20.0419.C20
Gene No.	105505	Strand	-
Start	1215	End	3875
Name	OJ000308_20.0419.C20.o2.tc	Method	TBLASTX:Cress
Start	1423	End	1632
GI	none	Score	115
Exons	1423..1593, 1427..1588, 1594..1632, 1598..1630		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105506	Strand	+
Start	1136	End	1545
Name	OJ000308_20.0419.C21.o1.gs	Method	GENSCAN
Start	1136	End	1545
GI	none	Score	.69
Exons	1136..1183, 1372..1545		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o6.tw	Method	TBLASTX:Wheat
Start	1243	End	1471
GI	none	Score	55
Exons	1243..1281, 1246..1284, 1247..1306, 1289..1342, 1297..1467, 1311..1400, 1318..1467, 1427..1471		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o2.gs	Method	GENSCAN
Start	2077	End	5760
GI	none	Score	.63
Exons	2077..3045, 3931..4314, 4615..5760		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o1.np	Method	AAT/NAP
Start	3455	End	5843
GI	6466937	Score	1412
Exons	3455..3566, 3682..5843		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o3.tm	Method	TBLASTX:Maize
Start	3677	End	4260
GI	none	Score	80
Exons	3677..3805, 3679..3864, 3895..4260, 3938..4216		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o4.tw	Method	TBLASTX:Wheat
Start	3712	End	3912
GI	none	Score	101
Exons	3712..3912, 3716..3853		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o2.tw	Method	TBLASTX:Wheat
Start	4066	End	4453
GI	none	Score	57
Exons	4066..4257, 4067..4135, 4069..4182, 4264..4452, 4295..4453		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	4303	End	4938
GI	none	Score	318
Exons	4303..4938, 4322..4852		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o3.tw	Method	TBLASTX:Wheat
Start	4454	End	4713
GI	none	Score	53
Exons	4454..4588, 4459..4713		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	4531	End	4917
GI	none	Score	172
Exons	4531..4917, 4532..4903		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o1.tw	Method	TBLASTX:Wheat
Start	4774	End	5202
GI	none	Score	87
Exons	4774..5202, 4775..4960		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o2.tm	Method	TBLASTX:Maize
Start	5065	End	5673
GI	none	Score	87
Exons	5065..5160, 5185..5646, 5189..5287, 5227..5508, 5336..5626, 5632..5673		

Seq. No.	49616	Seq. ID	OJ000308_20.0419.C21
Gene No.	105507	Strand	-
Start	2077	End	5843
Name	OJ000308_20.0419.C21.o5.tw	Method	TBLASTX:Wheat
Start	5434	End	5817
GI	none	Score	106
Exons	5434..5646, 5632..5817		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105508	Strand	-
Start	1	End	1172
Name	OJ000308_20.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	1172
GI	6907086	Score	1103
Exons	1..362, 420..1172		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o2.np	Method	AAT/NAP
Start	1894	End	5291
GI	4680186	Score	220
Exons	1894..2308, 2816..2960, 5269..5291		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o2.gs	Method	GENSCAN
Start	3056	End	6653
GI	none	Score	.42
Exons	3056..3978, 4189..4676, 4698..4834, 5276..5538, 5921..5942, 6046..6167, 6467..6653		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o2.tw	Method	TBLASTX:Wheat
Start	3096	End	3271
GI	none	Score	55
Exons	3096..3269, 3098..3271		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o3.np	Method	AAT/NAP
Start	3098	End	6875
GI	6466937	Score	983
Exons	3098..5161, 6692..6875		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224

Name	OJ000308_20.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	3218	End	3697
GI	none	Score	171
Exons	3218..3697, 3221..3604, 3225..3620		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	3272	End	3754
GI	none	Score	189
Exons	3272..3754, 3276..3650		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	3401	End	3733
GI	none	Score	231
Exons	3401..3733		

Seq. No.	49617	Seq. ID	OJ000308_20.0419.C22
Gene No.	105509	Strand	-
Start	1894	End	7224
Name	OJ000308_20.0419.C22.o5.np	Method	AAT/NAP
Start	5196	End	7224
GI	5777622	Score	113
Exons	5196..5276, 6958..7086, 7195..7224		
GI Descrip.	(AJ245900) CAA303710.1 protein [Oryza sativa]		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105510	Strand	+
Start	2927	End	3385
Name	OJ000308_20.0419.C23.o1.gp	Method	AAT/GAP
Start	2927	End	3385
GI	427073	Score	833
Exons	2927..3385		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105511	Strand	+
Start	3599	End	5267
Name	OJ000308_20.0419.C23.o1.np	Method	AAT/NAP
Start	3599	End	5267
GI	7486392	Score	820
Exons	3599..4069, 4519..5011, 5182..5267		
GI Descrip.	hypothetical protein F4B14.190 - Arabidopsis thaliana gi|3036796|emb|CAA18486.1| (AL022373) putative protein [Arabidopsis thaliana] gi|3805858|emb|CAA21478.1| (AL031986) putative protein [Arabidopsis thaliana] gi|7270544|emb|CAB81501.1| (AL161588) putative protein [Arabidopsis thaliana]		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105511	Strand	+
Start	3599	End	5267
Name	OJ000308_20.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	3601	End	3925

GI	none	Score	474
Exons	3601..3801, 3602..3925		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105511	Strand	+
Start	3599	End	5267
Name	OJ000308_20.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	3632	End	4003
GI	none	Score	79
Exons	3632..3790, 3634..3741, 3668..3769, 3797..4003		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105511	Strand	+
Start	3599	End	5267
Name	OJ000308_20.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	3686	End	4009
GI	none	Score	511
Exons	3686..4009, 3691..4002, 3845..4009		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105511	Strand	+
Start	3599	End	5267
Name	OJ000308_20.0419.C23.o2.ts	Method	TBLASTX:Soybean
Start	3926	End	4794
GI	none	Score	126
Exons	3926..4009, 3943..4011, 4544..4633, 4547..4615, 4604..4792, 4627..4794		

Seq. No.	49618	Seq. ID	OJ000308_20.0419.C23
Gene No.	105511	Strand	+
Start	3599	End	5267
Name	OJ000308_20.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	4487	End	4975
GI	none	Score	530
Exons	4487..4948, 4490..4966, 4898..4975		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105512	Strand	+
Start	271	End	3940
Name	OJ000308_20.0419.C24.o1.np	Method	AAT/NAP
Start	271	End	1858
GI	7486392	Score	358
Exons	271..335, 705..811, 1195..1292, 1813..1858		
GI Descrip.	hypothetical protein F4B14.190 - Arabidopsis thaliana gi|3036796|emb|CAA18486.1| (AL022373) putative protein [Arabidopsis thaliana] gi|3805858|emb|CAA21478.1| (AL031986) putative protein [Arabidopsis thaliana] gi|7270544|emb|CAB81501.1| (AL161588) putative protein [Arabidopsis thaliana]		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105512	Strand	+
Start	271	End	3940
Name	OJ000308_20.0419.C24.o1.gp	Method	AAT/GAP
Start	765	End	2084
GI	LIB3433-047-P1-K1-F4	Score	768
Exons	765..811, 1195..1288, 1812..2084		

GI Descrip. '3036796/emb|CAA18486| 2.0e-24 (AL022373) putative protein [Arabidopsis thaliana] >gi_3805858_emb_CAA21478.1_ (AL031986) putative protein [Arabidopsis thaliana]'

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105512	Strand	+
Start	271	End	3940
Name	OJ000308_20.0419.C24.o1.gs	Method	GENSCAN
Start	1195	End	3940
GI	none	Score	.88
Exons	1195..1288, 2713..2823, 2859..3179, 3858..3940		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105513	Strand	+
Start	4947	End	7357
Name	OJ000308_20.0419.C24.o3.np	Method	AAT/NAP
Start	4947	End	7357
GI	6967112	Score	405
Exons	4947..4988, 6404..6511, 6600..6825, 6900..7357		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o2.np	Method	AAT/NAP
Start	3344	End	7309
GI	6978921	Score	112
Exons	3344..3380, 4473..4553, 4664..4868, 7268..7309		
GI Descrip.	(AC021665) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o2.gp	Method	AAT/GAP
Start	4196	End	5327
GI	2283_1.R1084	Score	888
Exons	4196..4553, 4664..4775, 5310..5327		
GI Descrip.	'4972067/emb|CAB43874.1| 4.0e-47 (AL078467) putative protei [Arabidopsis thaliana]'		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o2.tm	Method	TBLASTX:Maize
Start	4326	End	4783
GI	none	Score	243
Exons	4326..4559, 4327..4554, 4452..4559, 4656..4775, 4664..4774, 4664..4783		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o2.gs	Method	GENSCAN
Start	4332	End	4777
GI	none	Score	.78
Exons	4332..4553, 4664..4777		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	4345	End	4783
GI	none	Score	84
Exons	4345..4434, 4347..4457, 4471..4551, 4473..4556, 4655..4783, 4656..4772, 4664..4774		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	4347	End	4783
GI	none	Score	80
Exons	4347..4454, 4348..4434, 4452..4559, 4472..4561, 4474..4557, 4664..4783, 4668..4772		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o3.tm	Method	TBLASTX:Maize
Start	6083	End	6478
GI	none	Score	252
Exons	6083..6478, 6304..6441		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o2.ts	Method	TBLASTX:Soybean
Start	6491	End	7066
GI	none	Score	40
Exons	6491..6511, 6492..6512, 6590..6754, 6597..6752, 6598..6753, 6600..6806, 6695..6802, 6898..6987, 6899..6991, 7034..7066		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	6602	End	7122
GI	none	Score	40
Exons	6602..6631, 6603..6830, 6605..6826, 6661..6831, 6751..6831, 6889..6987, 6898..6975, 6899..6991, 7030..7122, 7031..7120		

Seq. No.	49619	Seq. ID	OJ000308_20.0419.C24
Gene No.	105514	Strand	-
Start	3344	End	7309
Name	OJ000308_20.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	6642	End	7120
GI	none	Score	121
Exons	6642..6797, 6692..6793, 6899..6985, 7034..7120		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105515	Strand	+
Start	4639	End	6985
Name	OJ000308_20.0419.C25.o2.gs	Method	GENSCAN
Start	4639	End	6985

GI	none	Score	.78
Exons	4639..4765, 6831..6985		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105516	Strand	-
Start	1	End	4473
Name	OJ000308_20.0419.C25.o1.gp	Method	AAT/GAP
Start	1	End	533
GI	2283_1.R1084	Score	691
Exons	1..252, 413..533		
GI Descrip.	'4972067/emb|CAB43874.1| 4.0e-47 (AL078467) putative protei [Arabidopsis thaliana]'		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105516	Strand	-
Start	1	End	4473
Name	OJ000308_20.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	3598
GI	6978921	Score	840
Exons	1..252, 427..704, 855..1105, 1173..1356, 1444..1599, 3333..3598		
GI Descrip.	(AC021665) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105516	Strand	-
Start	1	End	4473
Name	OJ000308_20.0419.C25.o1.gs	Method	GENSCAN
Start	61	End	4473
GI	none	Score	.56
Exons	61..252, 413..700, 785..1102, 1173..1356, 1444..1599, 2170..2201, 2236..2631, 3333..3559, 3604..3743, 3983..4473		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	500
GI	none	Score	362
Exons	1..264, 2..253, 412..498, 412..498, 413..499, 414..500		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o2.tc	Method	TBLASTX:Cress
Start	1	End	238
GI	none	Score	189
Exons	1..210, 2..238		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	532
GI	none	Score	108
Exons	1..264, 8..238, 446..532		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-

Start	7269	End	9043
Name	OJ000308_20.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	7	End	601
GI	none	Score	185
Exons	7..231, 8..262, 10..264, 20..253, 84..263, 411..587, 413..601, 414..587, 428..595		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o1.tc	Method	TBLASTX:Cress
Start	417	End	1331
GI	none	Score	255
Exons	417..701, 419..703, 431..703, 824..1114, 858..1013, 864..1133, 1065..1115, 1171..1326, 1173..1301, 1173..1331, 1174..1326		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o3.tm	Method	TBLASTX:Maize
Start	501	End	810
GI	none	Score	244
Exons	501..677, 501..680, 503..709, 503..682, 677..712, 787..810		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o2.ts	Method	TBLASTX:Soybean
Start	638	End	1081
GI	none	Score	53
Exons	638..703, 648..701, 795..1013, 830..1081, 845..1081		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o2.tm	Method	TBLASTX:Maize
Start	899	End	1592
GI	none	Score	78
Exons	899..1099, 1176..1355, 1222..1350, 1446..1592		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o3.ts	Method	TBLASTX:Soybean
Start	1272	End	1608
GI	none	Score	125
Exons	1272..1358, 1273..1377, 1441..1608, 1443..1607		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25
Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o3.tc	Method	TBLASTX:Cress
Start	1332	End	1602
GI	none	Score	53
Exons	1332..1358, 1333..1359, 1441..1602, 1443..1601		

Seq. No.	49620	Seq. ID	OJ000308_20.0419.C25

Gene No.	105517	Strand	-
Start	7269	End	9043
Name	OJ000308_20.0419.C25.o3.gs	Method	GENSCAN
Start	7269	End	9043
GI	none	Score	.67
Exons	7269..7373, 8713..8790, 9008..9043		

Seq. No.	49621	Seq. ID	OJ000308_20.0419.C26
Gene No.	105518	Strand	+
Start	51	End	2867
Name	OJ000308_20.0419.C26.o1.gs	Method	GENSCAN
Start	51	End	2749
GI	none	Score	.71
Exons	51..334, 562..909, 1002..1157, 1334..1417, 2690..2749		

Seq. No.	49621	Seq. ID	OJ000308_20.0419.C26
Gene No.	105518	Strand	+
Start	51	End	2867
Name	OJ000308_20.0419.C26.o1.np	Method	AAT/NAP
Start	450	End	2867
GI	6503014	Score	534
Exons	450..495, 593..702, 775..909, 1002..1157, 1334..1417, 1610..1656, 1846..1919, 2175..2233, 2675..2867		
GI Descrip.	(AF174429) FH protein interacting protein FIP2 [Arabidopsis thaliana]		

Seq. No.	49621	Seq. ID	OJ000308_20.0419.C26
Gene No.	105518	Strand	+
Start	51	End	2867
Name	OJ000308_20.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	592	End	870
GI	none	Score	72
Exons	592..684, 594..671, 597..701, 598..702, 768..833, 772..870, 772..846, 774..866		

Seq. No.	49621	Seq. ID	OJ000308_20.0419.C26
Gene No.	105518	Strand	+
Start	51	End	2867
Name	OJ000308_20.0419.C26.o1.tc	Method	TBLASTX:Cress
Start	597	End	1417
GI	none	Score	105
Exons	597..677, 598..684, 772..909, 774..893, 1034..1174, 1059..1139, 1334..1417		

Seq. No.	49621	Seq. ID	OJ000308_20.0419.C26
Gene No.	105518	Strand	+
Start	51	End	2867
Name	OJ000308_20.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	597	End	870
GI	none	Score	130
Exons	597..701, 598..699, 772..870, 774..869, 781..870		

Seq. No.	49621	Seq. ID	OJ000308_20.0419.C26
Gene No.	105518	Strand	+
Start	51	End	2867
Name	OJ000308_20.0419.C26.o1.gp	Method	AAT/GAP
Start	993	End	2255

GI	1631634	Score	755
Exons	993..1157, 1334..1417, 1610..1656, 1846..1919, 2175..2255		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105519	Strand	+
Start	204	End	716
Name	OJ000328_20.0418.C2.o1.gs	Method	GENSCAN
Start	204	End	716
GI	none	Score	.58
Exons	204..312, 649..716		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105520	Strand	+
Start	21965	End	24909
Name	OJ000328_20.0418.C2.o2.np	Method	AAT/NAP
Start	21965	End	24909
GI	4680186	Score	181
Exons	21965..21999, 23336..23510, 24088..24221, 24856..24909		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105521	Strand	+
Start	39206	End	39504
Name	OJ000328_20.0418.C2.o11.gs	Method	GENSCAN
Start	39206	End	39504
GI	none	Score	.77
Exons	39206..39349, 39355..39504		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105522	Strand	-
Start	3823	End	4699
Name	OJ000328_20.0418.C2.o1.np	Method	AAT/NAP
Start	3754	End	4699
GI	6642677	Score	128
Exons	3754..3973, 4245..4699		
GI Descrip.	(AC015450) unknown protein [Arabidopsis thaliana]		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105522	Strand	-
Start	3823	End	4699
Name	OJ000328_20.0418.C2.o3.gs	Method	GENSCAN
Start	3823	End	4699
GI	none	Score	.47
Exons	3823..4084, 4086..4699		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105523	Strand	-
Start	17244	End	18875
Name	OJ000328_20.0418.C2.o5.gs	Method	GENSCAN
Start	17244	End	18875
GI	none	Score	.96
Exons	17244..17287, 17813..18875		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105524	Strand	-
Start	25321	End	26579
Name	OJ000328_20.0418.C2.o7.gs	Method	GENSCAN

Start	25321	End	26579
GI	none	Score	.7
Exons	25321..25824, 26110..26465, 26477..26579		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105525	Strand	-
Start	29804	End	33351
Name	OJ000328_20.0418.C2.o9.gs	Method	GENSCAN
Start	29804	End	33263
GI	none	Score	.86
Exons	29804..30196, 30386..30629, 30903..31068, 31149..31358, 32092..32327, 33022..33263		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105525	Strand	-
Start	29804	End	33351
Name	OJ000328_20.0418.C2.o3.np	Method	AAT/NAP
Start	30363	End	33351
GI	4006859	Score	489
Exons	30363..30623, 30978..31068, 31149..31329, 32090..32327, 33022..33351		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105526	Strand	-
Start	40274	End	48706
Name	OJ000328_20.0418.C2.o3.tm	Method	TBLASTX:Maize
Start	13542	End	22472
GI	none	Score	235
Exons	13542..13751, 13578..13751, 13784..13885, 13836..13874, 18543..18671, 18744..18869, 22344..22472		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105526	Strand	-
Start	40274	End	48706
Name	OJ000328_20.0418.C2.o4.tm	Method	TBLASTX:Maize
Start	29744	End	30570
GI	none	Score	166
Exons	29744..30067, 29804..30064, 29853..30068, 29860..30066, 30137..30166, 30213..30305, 30380..30484, 30384..30449, 30386..30466, 30388..30483, 30421..30543, 30458..30550, 30461..30565, 30463..30570, 30495..30566		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105526	Strand	-
Start	40274	End	48706
Name	OJ000328_20.0418.C2.o2.tm	Method	TBLASTX:Maize
Start	31151	End	33128
GI	none	Score	264
Exons	31151..31219, 31212..31289, 32090..32332, 32091..32339, 32884..32925, 32973..33128, 33018..33104		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105526	Strand	-
Start	40274	End	48706
Name	OJ000328_20.0418.C2.o1.ts	Method	TBLASTX:Soybean
Start	32195	End	33128

GI	none	Score	103
Exons	32195..32356, 32212..32322, 32214..32393, 32973..33128		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105526	Strand	-
Start	40274	End	48706
Name	OJ000328_20.0418.C2.o1.tm	Method	TBLASTX:Maize
Start	37848	End	48706
GI	none	Score	144
Exons	37848..38162, 37849..38049, 37910..38125, 38118..38243, 38155..38196, 38181..38279, 38192..38278, 38262..38348, 38262..38351, 41746..41949, 41747..42010, 41748..42050, 41811..42050, 41998..42060, 42016..42159, 42056..42100, 42070..42102, 42151..42249, 42160..42246, 45438..45545, 45439..45495, 45519..45713, 45523..45711, 45732..45821, 45733..45780, 48203..48448, 48203..48517, 48205..48528, 48244..48510, 48473..48616, 48514..48633, 48527..48604, 48608..48706, 48617..48703		

Seq. No.	49622	Seq. ID	OJ000328_20.0418.C2
Gene No.	105526	Strand	-
Start	40274	End	48706
Name	OJ000328_20.0418.C2.o4.np	Method	AAT/NAP
Start	40274	End	40457
GI	4680492	Score	158
Exons	40274..40457		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	49623	Seq. ID	OJ000308_22.0419.C1
Gene No.	105527	Strand	-
Start	1	End	1579
Name	OJ000308_22.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	1579
GI	7228438	Score	2006
Exons	1..149, 242..500, 577..875, 968..1378, 1463..1579		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49623	Seq. ID	OJ000308_22.0419.C1
Gene No.	105527	Strand	-
Start	1	End	1579
Name	OJ000308_22.0419.C1.o1.gs	Method	GENSCAN
Start	24	End	1549
GI	none	Score	.63
Exons	24..149, 242..430, 624..875, 968..1093, 1253..1378, 1463..1549		

Seq. No.	49623	Seq. ID	OJ000308_22.0419.C1
Gene No.	105527	Strand	-
Start	1	End	1579
Name	OJ000308_22.0419.C1.o1.gp	Method	AAT/GAP
Start	250	End	749
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	250..500, 577..749		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105528	Strand	+
Start	7124	End	8239
Name	OJ000308_22.0419.C2.o2.gp	Method	AAT/GAP
Start	7124	End	8239
GI	183_2.R1084	Score	2199
Exons	7124..8239		
GI Descrip.	'1304215/dbj|BAA12337| 1.0e-107 (D84392) precursor of rice 22 kDa protein of photosystem II (PSII-S) [Oryza sativa]'		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105529	Strand	-
Start	1	End	947
Name	OJ000308_22.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	814
GI	1362051	Score	956
Exons	1..618, 695..814		
GI Descrip.	protein kinase 3 - soybean gi|310582 (L19361) protein kinase 3 [Glycine max]		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105529	Strand	-
Start	1	End	947
Name	OJ000308_22.0419.C2.o1.gs	Method	GENSCAN
Start	98	End	814
GI	none	Score	.9
Exons	98..295, 409..618, 695..814		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105529	Strand	-
Start	1	End	947
Name	OJ000308_22.0419.C2.o1.gp	Method	AAT/GAP
Start	344	End	947
GI	32739_1.R1084	Score	1010
Exons	344..618, 695..947		
GI Descrip.	'3046731/emb|CAA06503| 3.0e-52 (AJ005373) protein kinase [Craterostigma plantagineum]'		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105530	Strand	-
Start	3850	End	7325
Name	OJ000308_22.0419.C2.o2.np	Method	AAT/NAP
Start	3850	End	7325
GI	3894187	Score	105
Exons	3850..3892, 5884..6034, 7292..7325		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	814
GI	none	Score	35
Exons	1..18, 101..274, 102..275, 301..618, 301..621, 302..619, 678..806, 680..814, 683..796, 696..800		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	101	End	814
GI	none	Score	221
Exons	101..274, 102..275, 301..621, 696..797	302..619, 469..621, 680..814,	

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	101	End	814
GI	none	Score	221
Exons	101..274, 102..275, 301..621,	302..619, 680..814, 699..797	

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	161	End	552
GI	none	Score	148
Exons	161..274, 162..275, 301..552,	302..547	

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o2.tw	Method	TBLASTX:Wheat
Start	553	End	817
GI	none	Score	40
Exons	553..621, 554..619, 680..817,	702..797	

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	7338	End	7886
GI	none	Score	44
Exons	7338..7385, 7428..7670, 7428..7553, 7448..7666, 7448..7549, 7728..7859, 7737..7886, 7739..7876, 7739..7858		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o2.tc	Method	TBLASTX:Cress
Start	7340	End	7972
GI	none	Score	232
Exons	7340..7381, 7347..7670, 7428..7571, 7448..7666, 7448..7576, 7661..7972, 7713..7925, 7728..7886, 7739..7876		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o2.ts	Method	TBLASTX:Soybean
Start	7340	End	7990
GI	none	Score	205

Exons 7340..7381, 7347..7571, 7431..7571, 7448..7588, 7448..7579, 7589..7639, 7608..7640, 7661..7990, 7713..7922, 7716..7919, 7739..7876

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o3.gs	Method	GENSCAN
Start	7340	End	8086
GI	none	Score	.54
Exons	7340..8086		

Seq. No.	49624	Seq. ID	OJ000308_22.0419.C2
Gene No.	105531	Strand	-
Start	7340	End	8104
Name	OJ000308_22.0419.C2.o3.np	Method	AAT/NAP
Start	7343	End	8104
GI	7489520	Score	1259
Exons	7343..8104		
GI Descrip.	photosystem II 22-K chlorophyll-binding protein - rice gi|1304215|dbj|BAA12337.1| (D84392) precursor of rice 22 kDa protein of photosystem II (PSII-S) [Oryza sativa]		

Seq. No.	49625	Seq. ID	OJ000308_22.0419.C3
Gene No.	105532	Strand	+
Start	1	End	2137
Name	OJ000308_22.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	2137
GI	7484815	Score	129
Exons	1..420, 1180..1288, 2111..2137		
GI Descrip.	auxin response factor 7 homolog F6G3.110 - Arabidopsis thaliana gi|4938484|emb|CAB43843.1| (AL078464) transcription factor-like protein [Arabidopsis thaliana] gi|7269908|emb|CAB81001.1| (AL161576) transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	49625	Seq. ID	OJ000308_22.0419.C3
Gene No.	105532	Strand	+
Start	1	End	2137
Name	OJ000308_22.0419.C3.o1.gs	Method	GENSCAN
Start	199	End	1809
GI	none	Score	.66
Exons	199..336, 1219..1809		

Seq. No.	49625	Seq. ID	OJ000308_22.0419.C3
Gene No.	105533	Strand	-
Start	2832	End	3324
Name	OJ000308_22.0419.C3.o2.gs	Method	GENSCAN
Start	2832	End	3324
GI	none	Score	.55
Exons	2832..2993, 3140..3202, 3256..3324		

Seq. No.	49626	Seq. ID	OJ000308_22.0419.C4
Gene No.	105534	Strand	-
Start	357	End	1207
Name	OJ000308_22.0419.C4.o1.gs	Method	GENSCAN
Start	357	End	1079

GI	none	Score	.84
Exons	357..405, 602..876, 986..1079		

Seq. No.	49626	Seq. ID	OJ000308_22.0419.C4
Gene No.	105534	Strand	-
Start	357	End	1207
Name	OJ000308_22.0419.C4.o1.np	Method	AAT/NAP
Start	358	End	1207
GI	5777613	Score	856
Exons	358..405, 602..876, 986..1207		
GI Descrip.	(AJ245900) CAA30371.1 protein [Oryza sativa]		

Seq. No.	49626	Seq. ID	OJ000308_22.0419.C4
Gene No.	105534	Strand	-
Start	357	End	1207
Name	OJ000308_22.0419.C4.o1.gp	Method	AAT/GAP
Start	627	End	1021
GI	87997_1.R1084	Score	711
Exons	627..1021		
GI Descrip.	'5777615/emb|CAB53476.1| 1.0e-21 (AJ245900) CAA30373.1 protein [Oryza sativa]'		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105535	Strand	+
Start	1346	End	3119
Name	OJ000308_22.0419.C5.o1.gs	Method	GENSCAN
Start	1346	End	3119
GI	none	Score	.47
Exons	1346..1517, 1648..1700, 2525..2658, 2933..3119		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o1.np	Method	AAT/NAP
Start	2895	End	9265
GI	5777614	Score	4388
Exons	2895..3043, 5214..5360, 6581..6672, 6879..6965, 7141..9265		
GI Descrip.	(AJ245900) CAA30372.1 protein [Oryza sativa]		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o1.gp	Method	AAT/GAP
Start	3082	End	7022
GI	2800499	Score	826
Exons	3082..3378, 6581..6643, 6879..7022		
GI Descrip.	5777612/emb|AJ245900.1|OSA245900 1.0e-158 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o2.gs	Method	GENSCAN
Start	5149	End	15684
GI	none	Score	.65
Exons	5149..5360, 6581..6672, 6879..6965, 7141..8745, 8766..8950, 9243..9293, 11233..11310, 11504..11529, 11806..12319,		

12558..12605, 12713..12759, 13244..13407, 14016..14115,
14338..14404, 14705..14841, 15021..15054, 15587..15684

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o2.gp	Method	AAT/GAP
Start	10664	End	11009
GI	2801091	Score	599
Exons	10664..11009		
GI Descrip.	5777612/emb|AJ245900.1|OSA245900 1.0e-162 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o2.np	Method	AAT/NAP
Start	11798	End	16339
GI	5777615	Score	1904
Exons	11798..12319, 12558..12605, 12713..12759, 13244..13407, 14016..14115, 14338..14404, 14705..14841, 15021..15054, 15489..15587, 16274..16339		
GI Descrip.	(AJ245900) CAA30373.1 protein [Oryza sativa]		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	11819	End	12085
GI	none	Score	151
Exons	11819..12025, 11820..12026, 11820..12032, 11999..12085, 12000..12083		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	12085	End	14406
GI	none	Score	79
Exons	12085..12174, 12089..12184, 12092..12157, 12093..12158, 12203..12292, 12204..12266, 12205..12267, 12272..12322, 12558..12605, 12559..12606, 12563..12622, 12710..12766, 12711..12761, 12712..12762, 13236..13424, 13245..13409, 13246..13410, 14009..14116, 14010..14117, 14010..14117, 14017..14121, 14336..14401, 14337..14402, 14337..14405, 14338..14406		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5
Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o3.tm	Method	TBLASTX:Maize
Start	14747	End	16338
GI	none	Score	136
Exons	14747..14842, 14748..14873, 14748..14843, 15524..15688, 15543..15686, 15762..15809, 16275..16337, 16276..16338		

Seq. No.	49627	Seq. ID	OJ000308_22.0419.C5

Gene No.	105536	Strand	-
Start	2895	End	16339
Name	OJ000308_22.0419.C5.o3.gp	Method	AAT/GAP
Start	15491	End	16339
GI	2310277	Score	463
Exons	15491..15684, 16274..16339		
GI Descrip.	5777615/emb|CAB53476.1| 1.0e-21 (AJ245900) CAA30373.1 protein [Oryza sativa]		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o1.gp	Method	AAT/GAP
Start	1	End	749
GI	903_1.R1084	Score	1491
Exons	1..749		
GI Descrip.	'3777598 2.0e-42 (AF095707) 30S ribosomal protein S17 [Oryza sativa]'		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	344	End	620
GI	none	Score	372
Exons	344..604, 354..620		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	347	End	598
GI	none	Score	185
Exons	347..598, 372..593		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o2.ts	Method	TBLASTX:Soybean
Start	347	End	601
GI	none	Score	223
Exons	347..601, 366..599		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o1.gs	Method	GENSCAN
Start	440	End	13096
GI	none	Score	.71
Exons	440..773, 1451..1519, 1546..1713, 2254..2378, 2469..2540, 2843..2917, 2986..3048, 4185..4388, 5598..5681, 6164..6274, 6412..6483, 6593..6667, 6744..6869, 7275..7373, 7538..7651, 8389..8572, 9508..9653, 10091..10141, 10723..10803, 10877..10954, 11141..11230, 11399..11686, 12903..13096		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-

Start	1	End	13096
Name	OJ000308_22.0419.C14.o2.gp	Method	AAT/GAP
Start	1122	End	4206
GI	2882_1.R1084	Score	2292
Exons	1122..1756, 1857..1916, 1993..2061, 2139..2190, 2254..2378, 2469..2540, 2843..2917, 2986..3048, 3133..3234, 4185..4206		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	1669	End	6854
GI	none	Score	94
Exons	1669..1737, 1674..1748, 1674..1739, 1709..1747, 1849..1914, 1854..1916, 1855..1917, 1859..1945, 1988..2062, 1995..2057, 1996..2061, 2136..2189, 2138..2197, 2239..2427, 2253..2381, 2407..2541, 2449..2541, 2469..2552, 2478..2546, 2840..2917, 2844..2918, 2845..2925, 2847..2924, 2986..3048, 2987..3061, 3120..3233, 3126..3230, 3128..3235, 3130..3234, 4185..4295, 4189..4227, 4190..4294, 4242..4295, 5587..5682, 5591..5677, 5595..5699, 6158..6277, 6168..6275, 6406..6486, 6419..6484, 6588..6668, 6592..6669, 6593..6670, 6595..6669, 6703..6852, 6744..6854, 6744..6854		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	1889	End	2884
GI	none	Score	47
Exons	1889..1912, 1993..2043, 1993..2061, 2136..2189, 2137..2193, 2253..2381, 2253..2381, 2260..2409, 2469..2504, 2840..2884		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o4.ts	Method	TBLASTX:Soybean
Start	6597	End	7672
GI	none	Score	76
Exons	6597..6668, 6597..6668, 6619..6669, 6703..6861, 6744..6878, 7269..7379, 7282..7374, 7538..7669, 7544..7672		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	6608	End	7672
GI	none	Score	52
Exons	6608..6652, 6609..6653, 6610..6684, 6742..6870, 6742..6873, 6744..6881, 6744..6878, 7275..7376, 7275..7376, 7279..7377, 7534..7653, 7535..7672, 7539..7652, 7543..7653		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-

Start	1	End	13096
Name	OJ000308_22.0419.C14.o4.tm	Method	TBLASTX:Maize
Start	7275	End	8629
GI	none	Score	141
Exons	7275..7376, 7279..7374, 7535..7672, 7542..7652, 7567..7653, 8375..8506, 8389..8505, 8606..8629		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o3.ts	Method	TBLASTX:Soybean
Start	8363	End	10960
GI	none	Score	124
Exons	8363..8506, 8371..8505, 8604..8666, 8606..8668, 8940..8984, 9057..9104, 9057..9110, 9203..9283, 9204..9272, 9495..9605, 10091..10141, 10720..10863, 10721..10804, 10877..10960		

Seq. No.	49628	Seq. ID	OJ000308_22.0419.C14
Gene No.	105537	Strand	-
Start	1	End	13096
Name	OJ000308_22.0419.C14.o3.tm	Method	TBLASTX:Maize
Start	12902	End	13064
GI	none	Score	123
Exons	12902..13000, 12903..13064, 12904..13062		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105538	Strand	+
Start	907	End	1365
Name	OJ000308_22.0419.C15.o1.gs	Method	GENSCAN
Start	907	End	1365
GI	none	Score	.87
Exons	907..971, 1234..1365		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105539	Strand	+
Start	8265	End	11642
Name	OJ000308_22.0419.C15.o2.np	Method	AAT/NAP
Start	8259	End	10431
GI	7486036	Score	395
Exons	8259..8765, 10372..10431		
GI Descrip.	hypothetical protein F23E13.50 - Arabidopsis thaliana gi|2961375|emb|CAA18122.1| (AL022141) NAM like protein [Arabidopsis thaliana] gi|7270568|emb|CAB81525.1| (AL161588) NAM like protein [Arabidopsis thaliana]		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105539	Strand	+
Start	8265	End	11642
Name	OJ000308_22.0419.C15.o4.gs	Method	GENSCAN
Start	8265	End	11642
GI	none	Score	.65
Exons	8265..8972, 9106..9189, 9972..10095, 11586..11642		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105540	Strand	-
Start	2860	End	3701
Name	OJ000308_22.0419.C15.o2.gs	Method	GENSCAN

Start	2860	End	3701
GI	none	Score	.42
Exons	2860..3012, 3675..3701		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o3.tm	Method	TBLASTX:Maize
Start	673	End	8790
GI	none	Score	60
Exons	673..765, 8292..8357, 8379..8465, 8457..8492, 8538..8570, 8604..8720, 8609..8686, 8727..8753, 8743..8790		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o1.np	Method	AAT/NAP
Start	4427	End	7438
GI	6587835	Score	895
Exons	4427..5541, 6923..7214, 7311..7438		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	4427	End	10383
GI	none	Score	51
Exons	4427..4567, 4428..4559, 4568..4765, 4650..4778, 4790..5008, 4863..4973, 5021..5146, 5025..5117, 5204..5491, 5253..5465, 10312..10383		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	4436	End	5485
GI	none	Score	81
Exons	4436..4777, 4790..5008, 4863..4964, 5021..5146, 5204..5332, 5321..5377, 5375..5485		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	4439	End	4780
GI	none	Score	271
Exons	4439..4780		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	4442	End	4757
GI	none	Score	81
Exons	4442..4756, 4443..4556, 4650..4757		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o3.tc	Method	TBLASTX:Cress
Start	4863	End	7390
GI	none	Score	78
Exons	4863..4985, 4904..5008, 5021..5146, 5043..5081, 5204..5491, 5322..5471, 7028..7213, 7313..7390		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	7013	End	10586
GI	none	Score	155
Exons	7013..7216, 7014..7214, 7305..7391, 7310..7396, 7388..7414, 10497..10586		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o3.ts	Method	TBLASTX:Soybean
Start	7019	End	7381
GI	none	Score	72
Exons	7019..7216, 7038..7091, 7310..7381		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o2.tc	Method	TBLASTX:Cress
Start	8261	End	8753
GI	none	Score	114
Exons	8261..8359, 8286..8363, 8379..8420, 8457..8486, 8538..8570, 8604..8723, 8609..8746, 8727..8753		

Seq. No.	49629	Seq. ID	OJ000308_22.0419.C15
Gene No.	105541	Strand	-
Start	4427	End	10586
Name	OJ000308_22.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	8264	End	8753
GI	none	Score	97
Exons	8264..8353, 8268..8357, 8379..8462, 8384..8419, 8457..8492, 8538..8570, 8601..8693, 8609..8689, 8727..8753		

Seq. No.	49630	Seq. ID	OJ000308_22.0419.C16
Gene No.	105542	Strand	+
Start	311	End	2585
Name	OJ000308_22.0419.C16.o1.gs	Method	GENSCAN
Start	311	End	2508
GI	none	Score	.84
Exons	311..401, 719..897, 1003..1342, 1390..1611, 1737..1868, 1960..2057, 2174..2508		

Seq. No.	49630	Seq. ID	OJ000308_22.0419.C16
Gene No.	105542	Strand	+
Start	311	End	2585
Name	OJ000308_22.0419.C16.o1.np	Method	AAT/NAP

Start	350	End	2585
GI	7486499	Score	757
Exons	350..401, 500..616, 725..897, 1003..1184, 1286..1868, 1960..2037, 2196..2585		
GI Descrip.	hypothetical protein F6E21.80 - Arabidopsis thaliana gi|7270018|emb|CAB79834.1| (AL161578) putative protein [Arabidopsis thaliana]		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	5232
GI	7486499	Score	2617
Exons	1..101, 191..424, 461..790, 866..1045, 1152..1279, 1358..1679, 2373..2491, 2581..4147, 4814..5232		
GI Descrip.	hypothetical protein F6E21.80 - Arabidopsis thaliana gi|7270018|emb|CAB79834.1| (AL161578) putative protein [Arabidopsis thaliana]		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o1.gs	Method	GENSCAN
Start	197	End	5204
GI	none	Score	.72
Exons	197..790, 866..1045, 1152..1679, 1935..2045, 2373..2491, 2581..4118, 4812..5204		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o3.ts	Method	TBLASTX:Soybean
Start	865	End	1319
GI	none	Score	201
Exons	865..1023, 866..1021, 1149..1250, 1160..1216, 1194..1319, 1238..1300		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o4.tm	Method	TBLASTX:Maize
Start	2573	End	2947
GI	none	Score	306
Exons	2573..2815, 2573..2896, 2715..2897, 2736..2900, 2809..2898, 2918..2947		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o3.tm	Method	TBLASTX:Maize
Start	3230	End	3523
GI	none	Score	314
Exons	3230..3523, 3232..3522, 3233..3523		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+

Start	1	End	5232
Name	OJ000308_22.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	3323	End	3706
GI	none	Score	263
Exons	3323..3598, 3325..3597, 3580..3705, 3581..3706		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	3664	End	3982
GI	none	Score	429
Exons	3664..3969, 3665..3982, 3665..3976		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	3910	End	4927
GI	none	Score	345
Exons	3910..4146, 3911..4144, 4813..4902, 4814..4903, 4816..4905, 4820..4903, 4904..4927		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	4022	End	5177
GI	none	Score	216
Exons	4022..4144, 4028..4144, 4813..4962, 4814..4996, 4829..4963, 4965..5084, 4965..5090, 4969..5169, 4970..5176, 5133..5177		

Seq. No.	49631	Seq. ID	OJ000308_22.0419.C17
Gene No.	105543	Strand	+
Start	1	End	5232
Name	OJ000308_22.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	4813	End	5064
GI	none	Score	341
Exons	4813..5064, 4814..5062		

Seq. No.	49632	Seq. ID	OJ000308_22.0419.C19
Gene No.	105544	Strand	+
Start	1	End	1120
Name	OJ000308_22.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	563
GI	5441880	Score	556
Exons	1..46, 76..213, 329..563		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	49632	Seq. ID	OJ000308_22.0419.C19
Gene No.	105544	Strand	+
Start	1	End	1120
Name	OJ000308_22.0419.C19.o1.gs	Method	GENSCAN
Start	83	End	842
GI	none	Score	.79

Exons	83..213, 277..324, 329..531, 682..842		

Seq. No.	49632	Seq. ID	OJ000308_22.0419.C19
Gene No.	105544	Strand	+
Start	1	End	1120
Name	OJ000308_22.0419.C19.o1.gp	Method	AAT/GAP
Start	667	End	1120
GI	LIB3431-045-P1-N1-A10	Score	856
Exons	667..1120		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	49632	Seq. ID	OJ000308_22.0419.C19
Gene No.	105544	Strand	+
Start	1	End	1120
Name	OJ000308_22.0419.C19.o2.np	Method	AAT/NAP
Start	682	End	866
GI	7228442	Score	258
Exons	682..866		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105545	Strand	+
Start	13647	End	16148
Name	OJ000308_22.0419.C20.o3.np	Method	AAT/NAP
Start	13647	End	16148
GI	5777617	Score	501
Exons	13647..13685, 15882..16148		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105546	Strand	+
Start	23093	End	23172
Name	OJ000308_22.0419.C20.o5.gp	Method	AAT/GAP
Start	23093	End	23172
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	23093..23172		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105547	Strand	+
Start	23267	End	24136
Name	OJ000308_22.0419.C20.o6.gp	Method	AAT/GAP
Start	23267	End	24136
GI	81542_1.R1084	Score	1107
Exons	23267..23317, 23426..24136		
GI Descrip.	'5777619/emb|CAB53480.1| 1.0e-27 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105548	Strand	+
Start	25326	End	26413
Name	OJ000308_22.0419.C20.o5.np	Method	AAT/NAP

Start	25326	End	26306
GI	5777620	Score	528
Exons	25326..25464, 26037..26093, 26142..26306		
GI Descrip.	(AJ245900) CAA30378.1 protein [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105548	Strand	+
Start	25326	End	26413
Name	OJ000308_22.0419.C20.o6.gs	Method	GENSCAN
Start	25326	End	26413
GI	none	Score	.89
Exons	25326..25464, 26037..26413		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105549	Strand	+
Start	26981	End	27661
Name	OJ000308_22.0419.C20.o9.gp	Method	AAT/GAP
Start	26981	End	27661
GI	23151_1.R1084	Score	1287
Exons	26981..27661		
GI Descrip.	'5777621/emb|CAB53482.1| 2.0e-83 (AJ245900) CAA30379.1 protein [Oryza sativa]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105550	Strand	-
Start	1	End	2963
Name	OJ000308_22.0419.C20.o1.np	Method	AAT/NAP
Start	1	End	2963
GI	7228442	Score	4570
Exons	1..24, 336..2963		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105550	Strand	-
Start	1	End	2963
Name	OJ000308_22.0419.C20.o1.gs	Method	GENSCAN
Start	336	End	2681
GI	none	Score	.44
Exons	336..533, 950..2681		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105550	Strand	-
Start	1	End	2963
Name	OJ000308_22.0419.C20.o1.gp	Method	AAT/GAP
Start	1475	End	1906
GI	5701669	Score	841
Exons	1475..1906		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105551	Strand	-
Start	3378	End	3542
Name	OJ000308_22.0419.C20.o2.gp	Method	AAT/GAP

Start	3378	End	3542
GI	7406_1.R1084	Score	224
Exons	3378..3542		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105552	Strand	-
Start	6027	End	12020
Name	OJ000308_22.0419.C20.o3.gp	Method	AAT/GAP
Start	5753	End	6249
GI	101599_1.R1084	Score	972
Exons	5753..6249		
GI Descrip.	'5777616/emb|CAB53477.1| 7.0e-25 (AJ245900) CAA30374.1 protein [Oryza sativa]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105552	Strand	-
Start	6027	End	12020
Name	OJ000308_22.0419.C20.o2.gs	Method	GENSCAN
Start	6027	End	11671
GI	none	Score	.65
Exons	6027..6646, 7509..8040, 8121..8384, 9847..9961, 11035..11105, 11612..11671		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105552	Strand	-
Start	6027	End	12020
Name	OJ000308_22.0419.C20.o2.np	Method	AAT/NAP
Start	6030	End	12020
GI	5777616	Score	2867
Exons	6030..6646, 7509..8040, 8071..8384, 9847..9961, 10267..10326, 11846..12020		
GI Descrip.	(AJ245900) CAA30374.1 protein [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105552	Strand	-
Start	6027	End	12020
Name	OJ000308_22.0419.C20.o4.gp	Method	AAT/GAP
Start	7756	End	8366
GI	27848_1.R1084	Score	1126
Exons	7756..8366		
GI Descrip.	'5777616/emb|CAB53477.1| 5.0e-63 (AJ245900) CAA30374.1 protein [Oryza sativa]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105553	Strand	-
Start	14697	End	15236
Name	OJ000308_22.0419.C20.o3.gs	Method	GENSCAN
Start	14697	End	15236
GI	none	Score	.63
Exons	14697..14762, 15210..15236		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105554	Strand	-
Start	17320	End	22879
Name	OJ000308_22.0419.C20.o4.np	Method	AAT/NAP

Start	17320	End	22879
GI	5777618	Score	3080
Exons	17320..17437, 17520..18482, 19947..20574, 21203..21336, 22519..22879		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105555	Strand	-
Start	23989	End	25422
Name	OJ000308_22.0419.C20.o7.gp	Method	AAT/GAP
Start	23698	End	24749
GI	3762877	Score	1104
Exons	23698..24144, 24580..24749		
GI Descrip.	5777619/emb|CAB53480.1| 1.0e-27 (AJ245900) CAA30377.1 protein [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105555	Strand	-
Start	23989	End	25422
Name	OJ000308_22.0419.C20.o5.gs	Method	GENSCAN
Start	23989	End	25038
GI	none	Score	.98
Exons	23989..24144, 24580..25038		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105555	Strand	-
Start	23989	End	25422
Name	OJ000308_22.0419.C20.o8.gp	Method	AAT/GAP
Start	24918	End	25422
GI	23880_3.R1084	Score	972
Exons	24918..25422		
GI Descrip.	'5777619/emb|CAB53480.1| 6.0e-14 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o2.tw	Method	TBLASTX:Wheat
Start	1275	End	1655
GI	none	Score	79
Exons	1275..1451, 1305..1451, 1336..1455, 1449..1649, 1461..1655		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o2.tm	Method	TBLASTX:Maize
Start	1353	End	1949
GI	none	Score	143
Exons	1353..1424, 1488..1787, 1549..1770, 1821..1949, 1843..1941		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o2.tc	Method	TBLASTX:Cress
Start	6028	End	6603
GI	none	Score	67
Exons	6028..6117, 6033..6110, 6180..6239, 6184..6219, 6258..6299,		

6294..6350, 6295..6351, 6354..6482, 6355..6453, 6468..6602, 6532..6603

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o2.ts	Method	TBLASTX:Soybean
Start	6279	End	6639
GI	none	Score	90
Exons	6279..6350, 6354..6482, 6379..6456, 6471..6638, 6532..6639		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	17528	End	18139
GI	none	Score	135
Exons	17528..17563, 17555..17803, 17580..17807, 17795..17866, 17796..17909, 17876..17920, 17928..18068, 17933..18067, 18086..18139		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o1.tc	Method	TBLASTX:Cress
Start	17555	End	18139
GI	none	Score	174
Exons	17555..17869, 17580..17870, 17876..17929, 17877..17927, 17915..18088, 17916..18089, 18083..18139		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o3.tm	Method	TBLASTX:Maize
Start	17555	End	18212
GI	none	Score	43
Exons	17555..17635, 17586..17633, 17645..17707, 17738..17866, 17739..17924, 17876..18013, 17886..18008, 18017..18073, 18018..18074, 18089..18211, 18090..18212		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o3.tw	Method	TBLASTX:Wheat
Start	17670	End	18077
GI	none	Score	37
Exons	17670..17708, 17738..17797, 17801..17866, 17802..17909, 17876..18013, 17880..18077		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o5.tm	Method	TBLASTX:Maize
Start	23993	End	24777
GI	none	Score	99
Exons	23993..24091, 23998..24093, 23999..24145, 24039..24152, 24577..24651, 24580..24651, 24658..24777, 24659..24775		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o3.tc	Method	TBLASTX:Cress
Start	24643	End	25009
GI	none	Score	83
Exons	24643..24780, 24658..25008, 24677..25009		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o4.ts	Method	TBLASTX:Soybean
Start	24713	End	25023
GI	none	Score	168
Exons	24713..25006, 24718..25023		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o4.tm	Method	TBLASTX:Maize
Start	24803	End	25085
GI	none	Score	75
Exons	24803..24859, 24804..24851, 24821..25039, 24833..24916, 24834..25085, 24834..24956, 24859..25038, 24965..25084		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o7.gs	Method	GENSCAN
Start	27186	End	28933
GI	none	Score	.79
Exons	27186..27659, 27747..28343, 28931..28933		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o6.np	Method	AAT/NAP
Start	27189	End	28318
GI	5777621	Score	1613
Exons	27189..27659, 27747..28232, 28272..28318		
GI Descrip.	(AJ245900) CAA30379.1 protein [Oryza sativa]		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o1.tw	Method	TBLASTX:Wheat
Start	27193	End	27558
GI	none	Score	164
Exons	27193..27357, 27196..27366, 27204..27365, 27355..27438, 27357..27557, 27460..27558, 27475..27558		

Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o6.tm	Method	TBLASTX:Maize
Start	27193	End	27368

GI	none	Score	150
Exons	27193..27366, 27199..27363, 27210..27368		
Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o4.tc	Method	TBLASTX:Cress
Start	27210	End	27635
GI	none	Score	69
Exons	27210..27344, 27390..27635, 27517..27630		
Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	27378	End	27789
GI	none	Score	71
Exons	27378..27671, 27379..27438, 27396..27557, 27475..27660, 27750..27788, 27751..27789		
Seq. No.	49633	Seq. ID	OJ000308_22.0419.C20
Gene No.	105556	Strand	-
Start	27186	End	28933
Name	OJ000308_22.0419.C20.o3.ts	Method	TBLASTX:Soybean
Start	27390	End	27663
GI	none	Score	77
Exons	27390..27662, 27517..27663		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105557	Strand	+
Start	3635	End	6552
Name	OJ000308_22.0419.C23.o1.gp	Method	AAT/GAP
Start	3533	End	3710
GI	uC-osf1M202075g11b1	Score	344
Exons	3533..3710		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-73 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105557	Strand	+
Start	3635	End	6552
Name	OJ000308_22.0419.C23.o2.gs	Method	GENSCAN
Start	3635	End	6463
GI	none	Score	.81
Exons	3635..3853, 3929..4066, 5101..5199, 5286..5586, 5675..5898, 5964..6050, 6125..6463		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105557	Strand	+
Start	3635	End	6552
Name	OJ000308_22.0419.C23.o2.np	Method	AAT/NAP
Start	3635	End	6552
GI	5777622	Score	1973
Exons	3635..3853, 3929..4066, 5101..5199, 5286..5407, 5445..5586, 5675..5898, 5964..6050, 6171..6292, 6459..6552		
GI Descrip.	(AJ245900) CAA303710.1 protein [Oryza sativa]		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105558	Strand	-
Start	1	End	2729
Name	OJ000308_22.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	2729
GI	5777621	Score	1640
Exons	1..24, 666..927, 1354..1458, 1714..2264, 2633..2729		
GI Descrip.	(AJ245900) CAA30379.1 protein [Oryza sativa]		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105558	Strand	-
Start	1	End	2729
Name	OJ000308_22.0419.C23.o1.gs	Method	GENSCAN
Start	666	End	2729
GI	none	Score	.64
Exons	666..927, 1354..1458, 1714..1921, 2005..2264, 2633..2729		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o2.ts	Method	TBLASTX:Soybean
Start	337	End	803
GI	none	Score	49
Exons	337..438, 344..439, 533..586, 537..590, 662..802, 665..793, 666..803		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o3.tm	Method	TBLASTX:Maize
Start	536	End	893
GI	none	Score	68
Exons	536..586, 537..590, 537..587, 658..855, 662..892, 663..893, 666..893		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o4.tc	Method	TBLASTX:Cress
Start	536	End	917
GI	none	Score	114
Exons	536..586, 665..916, 666..917		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	1757	End	2045
GI	none	Score	118
Exons	1757..1867, 1758..1859, 1867..2043, 1868..2044, 1872..2045		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	1981	End	2283
GI	none	Score	152

Exons	1981..2283, 1982..2269		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o4.tm	Method	TBLASTX:Maize
Start	2050	End	2266
GI	none	Score	286
Exons	2050..2265, 2051..2266		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o5.tm	Method	TBLASTX:Maize
Start	3754	End	5214
GI	none	Score	115
Exons	3754..3852, 3770..3853, 3925..4011, 3929..4012, 4003..4056, 4004..4066, 5095..5202, 5095..5214		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	3790	End	6008
GI	none	Score	53
Exons	3790..3855, 3791..3859, 3937..4065, 3938..4066, 5046..5195, 5095..5199, 5286..5372, 5291..5371, 5378..5509, 5387..5587, 5421..5597, 5424..5585, 5676..5894, 5677..5895, 5955..6008		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o2.tc	Method	TBLASTX:Cress
Start	5130	End	5585
GI	none	Score	91
Exons	5130..5195, 5131..5199, 5286..5372, 5291..5371, 5411..5563, 5424..5585, 5424..5579		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	5322	End	5862
GI	none	Score	117
Exons	5322..5450, 5324..5452, 5450..5587, 5451..5585, 5451..5597, 5452..5586, 5676..5813, 5677..5862, 5758..5826		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	5325	End	5593
GI	none	Score	63
Exons	5325..5372, 5345..5593, 5424..5588, 5443..5589		
Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-

Start	7237	End	7299
Name	OJ000308_22.0419.C23.o3.tc	Method	TBLASTX:Cress
Start	5703	End	6050
GI	none	Score	171
Exons	5703..5771, 5704..5895, 5862..5888, 5961..6050, 5963..6049		

Seq. No.	49634	Seq. ID	OJ000308_22.0419.C23
Gene No.	105559	Strand	-
Start	7237	End	7299
Name	OJ000308_22.0419.C23.o3.gs	Method	GENSCAN
Start	7237	End	7299
GI	none	Score	.6
Exons	7237..7299		

Seq. No.	49635	Seq. ID	OJ000308_22.0419.C24
Gene No.	105560	Strand	+
Start	1	End	3101
Name	OJ000308_22.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	3101
GI	5777623	Score	875
Exons	1..27, 167..377, 448..1355, 1998..2237, 2678..3101		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o1.gs	Method	GENSCAN
Start	335	End	3366
GI	none	Score	.75
Exons	335..421, 659..865, 922..1583, 1604..1737, 1892..3366		

Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o1.np	Method	AAT/NAP
Start	940	End	6171
GI	7228457	Score	7694
Exons	940..1306, 1368..3303, 3367..4201, 4324..5474, 5541..6171		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o5.tw	Method	TBLASTX:Wheat
Start	1434	End	1986
GI	none	Score	34
Exons	1434..1469, 1593..1640, 1647..1745, 1652..1744, 1728..1805, 1852..1986		

Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o4.tw	Method	TBLASTX:Wheat
Start	1994	End	5453
GI	none	Score	236

Exons	1994..2047, 5020..5271, 5020..5217, 5085..5261, 5328..5453, 5328..5450, 5330..5452		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o3.tw	Method	TBLASTX:Wheat
Start	2724	End	3210
GI	none	Score	412
Exons	2724..2897, 2725..3210, 2919..3179, 2989..3183		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	3374	End	3837
GI	none	Score	210
Exons	3374..3817, 3375..3830, 3376..3837, 3376..3831		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o2.ts	Method	TBLASTX:Soybean
Start	3415	End	3780
GI	none	Score	116
Exons	3415..3639, 3646..3780		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	3505	End	3861
GI	none	Score	384
Exons	3505..3861, 3540..3851, 3556..3861		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o2.tm	Method	TBLASTX:Maize
Start	3888	End	4272
GI	none	Score	359
Exons	3888..4253, 3889..4272		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o2.tw	Method	TBLASTX:Wheat
Start	3945	End	4365
GI	none	Score	485
Exons	3945..4358, 3946..4365		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	4024	End	4395
GI	none	Score	278

Exons	4024..4395, 4041..4184		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o3.ts	Method	TBLASTX:Soybean
Start	5143	End	5708
GI	5666795	Score	68
Exons	5143..5241, 5328..5453, 5508..5708		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	49636	Seq. ID	OJ000308_22.0419.C25
Gene No.	105561	Strand	+
Start	335	End	6171
Name	OJ000308_22.0419.C25.o6.tw	Method	TBLASTX:Wheat
Start	5456	End	5768
GI	none	Score	192
Exons	5456..5632, 5508..5768		
Seq. No.	49637	Seq. ID	OJ000308_22.0419.C27
Gene No.	105562	Strand	+
Start	845	End	979
Name	OJ000308_22.0419.C27.o1.gs	Method	GENSCAN
Start	845	End	979
GI	none	Score	.97
Exons	845..979		
Seq. No.	49638	Seq. ID	OJ000208_25.0419.C1
Gene No.	105563	Strand	-
Start	289	End	853
Name	OJ000208_25.0419.C1.o1.gs	Method	GENSCAN
Start	289	End	853
GI	none	Score	.68
Exons	289..853		
Seq. No.	49639	Seq. ID	OJ000208_25.0419.C2
Gene No.	105564	Strand	+
Start	2693	End	3025
Name	OJ000208_25.0419.C2.o1.np	Method	AAT/NAP
Start	2693	End	3025
GI	7340909	Score	172
Exons	2693..3025		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	49639	Seq. ID	OJ000208_25.0419.C2
Gene No.	105565	Strand	-
Start	1549	End	1943
Name	OJ000208_25.0419.C2.o2.gs	Method	GENSCAN
Start	1549	End	1943
GI	none	Score	.62
Exons	1549..1574, 1652..1943		
Seq. No.	49639	Seq. ID	OJ000208_25.0419.C2
Gene No.	105566	Strand	-
Start	2509	End	2966
Name	OJ000208_25.0419.C2.o3.gs	Method	GENSCAN
Start	2509	End	2966

GI	none	Score	.89
Exons	2509..2578, 2836..2966		

Seq. No.	49640	Seq. ID	OJ000208_25.0419.C3
Gene No.	105567	Strand	+
Start	1742	End	4858
Name	OJ000208_25.0419.C3.o1.gs	Method	GENSCAN
Start	1742	End	4207
GI	none	Score	.6
Exons	1742..1882, 1919..2180, 2388..2442, 2952..3142, 3395..3564, 3650..4207		

Seq. No.	49640	Seq. ID	OJ000208_25.0419.C3
Gene No.	105567	Strand	+
Start	1742	End	4858
Name	OJ000208_25.0419.C3.o1.np	Method	AAT/NAP
Start	2486	End	4858
GI	4680199	Score	1531
Exons	2486..2703, 2804..3564, 3650..4213, 4445..4548, 4639..4858		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49640	Seq. ID	OJ000208_25.0419.C3
Gene No.	105567	Strand	+
Start	1742	End	4858
Name	OJ000208_25.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	3242	End	3507
GI	none	Score	179
Exons	3242..3505, 3252..3506, 3252..3506, 3253..3507		

Seq. No.	49640	Seq. ID	OJ000208_25.0419.C3
Gene No.	105567	Strand	+
Start	1742	End	4858
Name	OJ000208_25.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	4708	End	4858
GI	none	Score	147
Exons	4708..4857, 4710..4853, 4751..4858		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105568	Strand	+
Start	1	End	675
Name	OJ000208_25.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	658
GI	4680199	Score	412
Exons	1..141, 218..335, 507..658		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105568	Strand	+
Start	1	End	675
Name	OJ000208_25.0419.C4.o1.gs	Method	GENSCAN
Start	36	End	675
GI	none	Score	.55
Exons	36..141, 242..675		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105569	Strand	+
Start	5640	End	5834

Name	OJ000208_25.0419.C4.o1.gp	Method	AAT/GAP
Start	5640	End	5834
GI	4425_1.R1084	Score	342
Exons	5640..5834		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105570	Strand	-
Start	1027	End	5598
Name	OJ000208_25.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	252
GI	none	Score	89
Exons	2..142, 2..145, 3..143, 6..149, 211..252, 222..251		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105570	Strand	-
Start	1027	End	5598
Name	OJ000208_25.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	3	End	426
GI	none	Score	88
Exons	3..107, 217..426		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105570	Strand	-
Start	1027	End	5598
Name	OJ000208_25.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	208	End	531
GI	none	Score	100
Exons	208..306, 216..290, 325..531, 339..488		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105570	Strand	-
Start	1027	End	5598
Name	OJ000208_25.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	253	End	513
GI	none	Score	66
Exons	253..324, 310..513, 339..473		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105570	Strand	-
Start	1027	End	5598
Name	OJ000208_25.0419.C4.o2.gs	Method	GENSCAN
Start	1027	End	5598
GI	none	Score	.48
Exons	1027..1187, 1881..1965, 3737..3845, 5387..5532, 5551..5598		

Seq. No.	49641	Seq. ID	OJ000208_25.0419.C4
Gene No.	105570	Strand	-
Start	1027	End	5598
Name	OJ000208_25.0419.C4.o2.tw	Method	TBLASTX:Wheat
Start	2979	End	3215
GI	none	Score	184
Exons	2979..3215		

Seq. No.	49642	Seq. ID	OJ000208_25.0419.C5
Gene No.	105571	Strand	+

Start	4423	End	4935
Name	OJ000208_25.0419.C5.o2.gs	Method	GENSCAN
Start	4423	End	4935
GI	none	Score	.98
Exons	4423..4551, 4801..4935		

Seq. No.	49642	Seq. ID	OJ000208_25.0419.C5
Gene No.	105572	Strand	-
Start	1	End	494
Name	OJ000208_25.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	398
GI	2130024	Score	216
Exons	1..142, 252..398		
GI Descrip.	DNA-binding protein ABF2 - wild oat gi|1159879|emb|CAA88331.1| (Z48431) DNA-binding protein [Avena fatua]		

Seq. No.	49642	Seq. ID	OJ000208_25.0419.C5
Gene No.	105572	Strand	-
Start	1	End	494
Name	OJ000208_25.0419.C5.o1.gp	Method	AAT/GAP
Start	101	End	494
GI	4714600	Score	753
Exons	101..494		

Seq. No.	49642	Seq. ID	OJ000208_25.0419.C5
Gene No.	105573	Strand	-
Start	5976	End	9810
Name	OJ000208_25.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	413
GI	none	Score	129
Exons	2..115, 2..139, 249..269, 273..338, 285..338, 334..402, 339..413		

Seq. No.	49642	Seq. ID	OJ000208_25.0419.C5
Gene No.	105573	Strand	-
Start	5976	End	9810
Name	OJ000208_25.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	11	End	422
GI	none	Score	102
Exons	11..115, 11..139, 250..333, 250..279, 282..395, 285..338, 336..398, 339..422, 340..399		

Seq. No.	49642	Seq. ID	OJ000208_25.0419.C5
Gene No.	105573	Strand	-
Start	5976	End	9810
Name	OJ000208_25.0419.C5.o3.gs	Method	GENSCAN
Start	5976	End	9810
GI	none	Score	.42
Exons	5976..6079, 9484..9810		

Seq. No.	49643	Seq. ID	OJ000208_25.0419.C6
Gene No.	105574	Strand	+
Start	476	End	601
Name	OJ000208_25.0419.C6.o1.gs	Method	GENSCAN
Start	476	End	601
GI	none	Score	.93
Exons	476..601		

Seq. No.	49643	Seq. ID	OJ000208_25.0419.C6
Gene No.	105575	Strand	+
Start	1535	End	2946
Name	OJ000208_25.0419.C6.o2.gs	Method	GENSCAN
Start	1535	End	2946
GI	none	Score	.83
Exons	1535..1748, 2302..2331, 2771..2946		

Seq. No.	49643	Seq. ID	OJ000208_25.0419.C6
Gene No.	105576	Strand	-
Start	4412	End	6705
Name	OJ000208_25.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	4346	End	4699
GI	none	Score	252
Exons	4346..4501, 4348..4539, 4349..4699		

Seq. No.	49643	Seq. ID	OJ000208_25.0419.C6
Gene No.	105576	Strand	-
Start	4412	End	6705
Name	OJ000208_25.0419.C6.o3.gs	Method	GENSCAN
Start	4412	End	6705
GI	none	Score	.41
Exons	4412..4669, 6313..6523, 6602..6705		

Seq. No.	49643	Seq. ID	OJ000208_25.0419.C6
Gene No.	105576	Strand	-
Start	4412	End	6705
Name	OJ000208_25.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	4586	End	4879
GI	none	Score	183
Exons	4586..4783, 4621..4758, 4778..4879		

Seq. No.	49644	Seq. ID	OJ000208_25.0419.C7
Gene No.	105577	Strand	+
Start	804	End	1563
Name	OJ000208_25.0419.C7.o1.gs	Method	GENSCAN
Start	804	End	1563
GI	none	Score	.8
Exons	804..874, 1376..1563		

Seq. No.	49644	Seq. ID	OJ000208_25.0419.C7
Gene No.	105578	Strand	-
Start	2241	End	3558
Name	OJ000208_25.0419.C7.o2.gs	Method	GENSCAN
Start	2241	End	3558
GI	none	Score	.47
Exons	2241..2401, 3453..3558		

Seq. No.	49645	Seq. ID	OJ000208_25.0419.C8
Gene No.	105579	Strand	+
Start	2038	End	4392
Name	OJ000208_25.0419.C8.o1.gs	Method	GENSCAN
Start	2038	End	4392
GI	none	Score	.85
Exons	2038..2097, 4156..4392		

Seq. No.	49645	Seq. ID	OJ000208_25.0419.C8

Gene No.	105580	Strand	-
Start	6471	End	8741
Name	OJ000208_25.0419.C8.o2.gs	Method	GENSCAN
Start	6471	End	8741
GI	none	Score	.41
Exons	6471..6603, 7552..7674, 8475..8502, 8643..8741		

Seq. No.	49646	Seq. ID	OJ000208_25.0419.C9
Gene No.	105581	Strand	-
Start	780	End	922
Name	OJ000208_25.0419.C9.o1.gs	Method	GENSCAN
Start	780	End	922
GI	none	Score	.47
Exons	780..805, 873..922		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o1.gs	Method	GENSCAN
Start	1231	End	4344
GI	none	Score	.76
Exons	1231..1443, 3024..3183, 4061..4344		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o1.gp	Method	AAT/GAP
Start	2214	End	2532
GI	2800669	Score	570
Exons	2214..2532		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o1.np	Method	AAT/NAP
Start	3016	End	4678
GI	3668115	Score	542
Exons	3016..3183, 4061..4418, 4605..4678		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	3045	End	4419
GI	none	Score	89
Exons	3045..3185, 3052..3186, 4058..4150, 4060..4149, 4075..4152, 4150..4419, 4151..4417		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	3045	End	4555
GI	none	Score	92
Exons	3045..3185, 3052..3186, 4055..4147, 4060..4149, 4150..4419, 4241..4417, 4532..4555		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	3051	End	4285
GI	none	Score	133
Exons	3051..3185, 3052..3186, 4058..4285, 4060..4284		

Seq. No.	49647	Seq. ID	OJ000208_25.0419.C12
Gene No.	105582	Strand	-
Start	1231	End	4678
Name	OJ000208_25.0419.C12.o2.gp	Method	AAT/GAP
Start	4129	End	4474
GI	LIB3433-041-P1-K1-D2	Score	655
Exons	4129..4474		
GI Descrip.	'3668115/emb|CAA75352| 4.0e-33 (Y15069) cinnamoyl-CoA reductase [Zea mays]'		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.np	Method	AAT/NAP
Start	12	End	1400
GI	4887618	Score	584
Exons	12..299, 376..566, 1265..1400		
GI Descrip.	(AB007628) homeobox gene [Oryza sativa]		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	210	End	1387
GI	none	Score	46
Exons	210..299, 376..462, 419..463, 477..527, 478..528, 511..561, 514..567, 657..731, 1263..1385, 1264..1383, 1286..1387		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	210	End	1395
GI	none	Score	54
Exons	210..299, 376..477, 385..459, 419..478, 478..567, 482..574, 493..612, 1262..1381, 1263..1382, 1263..1385, 1264..1395		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	210	End	1388
GI	none	Score	105
Exons	210..299, 212..301, 213..302, 375..542, 376..570, 376..567, 404..568, 1263..1388, 1264..1341		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-

Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	210	End	493
GI	none	Score	70
Exons	210..299, 225..302, 236..301, 376..444, 376..459, 416..460, 434..493, 445..492		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.gp	Method	AAT/GAP
Start	211	End	1384
GI	38_1.R1084	Score	730
Exons	211..299, 376..566, 1265..1384		
GI Descrip.	'4887618/dbj|BAA77822.1| 1.0e-102 (AB007628) homeobox gene [Oryza sativa]'		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o1.gs	Method	GENSCAN
Start	242	End	2383
GI	none	Score	.82
Exons	242..299, 376..566, 1265..1385, 2257..2301, 2322..2383		

Seq. No.	49648	Seq. ID	OJ000208_25.0419.C14
Gene No.	105583	Strand	-
Start	12	End	2383
Name	OJ000208_25.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	496	End	1386
GI	none	Score	90
Exons	496..567, 505..576, 1263..1385, 1264..1386		

Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105584	Strand	+
Start	1	End	897
Name	OJ000208_25.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	897
GI	2130024	Score	682
Exons	1..180, 307..423, 535..897		
GI Descrip.	DNA-binding protein ABF2 - wild oat gi|1159879|emb|CAA88331.1| (Z48431) DNA-binding protein [Avena fatua]		

Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105584	Strand	+
Start	1	End	897
Name	OJ000208_25.0419.C15.o1.gs	Method	GENSCAN
Start	43	End	894
GI	none	Score	.9
Exons	43..180, 307..423, 535..894		

Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105585	Strand	-
Start	574	End	1086
Name	OJ000208_25.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	72	End	582
GI	none	Score	76

Exons	72..122, 73..120, 117..170, 117..170, 121..171, 306..425, 306..425, 307..426, 532..582, 549..581		
Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105585	Strand	-
Start	574	End	1086
Name	OJ000208_25.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	301	End	870
GI	none	Score	218
Exons	301..426, 309..425, 310..426, 314..427, 523..606, 531..593, 786..860, 787..870		
Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105585	Strand	-
Start	574	End	1086
Name	OJ000208_25.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	303	End	648
GI	none	Score	127
Exons	303..425, 303..425, 304..426, 520..648, 543..644		
Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105585	Strand	-
Start	574	End	1086
Name	OJ000208_25.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	307	End	630
GI	none	Score	166
Exons	307..426, 315..425, 532..630, 534..626		
Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105585	Strand	-
Start	574	End	1086
Name	OJ000208_25.0419.C15.o1.gp	Method	AAT/GAP
Start	574	End	1086
GI	4425_2.R1084	Score	753
Exons	574..1086		
GI Descrip.	'2130024/pir||S61414 2.0e-15 DNA-binding protein ABF2 - wild oat >gi_1159879_emb_CAA88331_ (Z48431) DNA-binding protein [Avena fatua]'		
Seq. No.	49649	Seq. ID	OJ000208_25.0419.C15
Gene No.	105585	Strand	-
Start	574	End	1086
Name	OJ000208_25.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	733	End	897
GI	none	Score	212
Exons	733..897, 741..896		
Seq. No.	49650	Seq. ID	OJ000208_25.0419.C17
Gene No.	105586	Strand	+
Start	41	End	599
Name	OJ000208_25.0419.C17.o1.gs	Method	GENSCAN
Start	41	End	599
GI	none	Score	.76
Exons	41..179, 529..599		
Seq. No.	49650	Seq. ID	OJ000208_25.0419.C17
Gene No.	105587	Strand	-

Start	2849	End	3107
Name	OJ000208_25.0419.C17.o2.gs	Method	GENSCAN
Start	2849	End	2962
GI	none	Score	.83
Exons	2849..2962		

Seq. No.	49650	Seq. ID	OJ000208_25.0419.C17
Gene No.	105587	Strand	-
Start	2849	End	3107
Name	OJ000208_25.0419.C17.o1.np	Method	AAT/NAP
Start	2852	End	3107
GI	2129677	Score	181
Exons	2852..3107		
GI Descrip.	probablel N-acetyltransferase hookless 1 - Arabidopsis thaliana gi|1277090 (U50399) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi|1277092 (U50400) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi|4468983|emb|CAB38297| (AL035605) probable N-acetyltransferase hookless 1 [Arabidopsis thaliana]		

Seq. No.	49651	Seq. ID	OJ000208_25.0419.C18
Gene No.	105588	Strand	-
Start	2987	End	3017
Name	OJ000208_25.0419.C18.o1.gs	Method	GENSCAN
Start	2987	End	3017
GI	none	Score	.81
Exons	2987..3017		

Seq. No.	49652	Seq. ID	OJ000208_25.0419.C19
Gene No.	105589	Strand	-
Start	2836	End	3553
Name	OJ000208_25.0419.C19.o1.gs	Method	GENSCAN
Start	2836	End	3553
GI	none	Score	.84
Exons	2836..2921, 3544..3553		

Seq. No.	49653	Seq. ID	OJ000208_25.0419.C25
Gene No.	105590	Strand	-
Start	617	End	721
Name	OJ000208_25.0419.C25.o1.gp	Method	AAT/GAP
Start	617	End	721
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	617..721		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49654	Seq. ID	OJ000208_25.0419.C28
Gene No.	105591	Strand	-
Start	914	End	996
Name	OJ000208_25.0419.C28.o1.gs	Method	GENSCAN
Start	914	End	996
GI	none	Score	.54
Exons	914..996		

Seq. No.	49655	Seq. ID	OJ000208_25.0419.C31
Gene No.	105592	Strand	+

Start	8103	End	9855
Name	OJ000208_25.0419.C31.o2.gs	Method	GENSCAN
Start	8103	End	9855
GI	none	Score	.43
Exons	8103..8253, 9271..9351, 9468..9577, 9727..9855		

Seq. No.	49655	Seq. ID	OJ000208_25.0419.C31
Gene No.	105593	Strand	-
Start	62	End	4877
Name	OJ000208_25.0419.C31.o1.gs	Method	GENSCAN
Start	62	End	4877
GI	none	Score	.67
Exons	62..229, 2211..2243, 2276..2335, 2429..2491, 2878..2967, 3004..3090, 3853..4116, 4506..4623, 4663..4877		

Seq. No.	49655	Seq. ID	OJ000208_25.0419.C31
Gene No.	105594	Strand	-
Start	6071	End	6154
Name	OJ000208_25.0419.C31.o1.np	Method	AAT/NAP
Start	6071	End	6154
GI	5852084	Score	82
Exons	6071..6154		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	69	End	1039
GI	none	Score	66
Exons	69..152, 79..153, 142..318, 145..318, 147..332, 406..546, 409..549, 410..550, 410..550, 411..551, 640..705, 641..706, 777..899, 798..899, 799..903, 800..937, 946..1038, 971..1039		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o1.np	Method	AAT/NAP
Start	103	End	1804
GI	4567255	Score	647
Exons	103..334, 715..899, 983..1084, 1227..1345, 1679..1804		
GI Descrip.	(AC007070) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o2.tc	Method	TBLASTX:Cress
Start	130	End	501
GI	none	Score	153
Exons	130..318, 132..275, 406..501		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o1.gs	Method	GENSCAN
Start	151	End	1843
GI	none	Score	.77

Exons 151..318, 412..544, 983..1084, 1227..1345, 1679..1843

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o2.ts	Method	TBLASTX:Soybean
Start	169	End	546
GI	none	Score	108
Exons	169..321, 415..546		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o1.tw	Method	TBLASTX:Wheat
Start	292	End	1069
GI	none	Score	46
Exons	292..318, 297..332, 405..545, 406..546, 409..543, 410..544, 411..545, 640..705, 641..706, 777..899, 799..900, 800..898, 980..1069, 982..1068		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o1.ts	Method	TBLASTX:Soybean
Start	642	End	1801
GI	none	Score	85
Exons	642..713, 643..705, 644..706, 777..845, 800..844, 855..899, 961..1068, 971..1069, 1051..1086, 1225..1365, 1226..1261, 1243..1347, 1508..1600, 1509..1601, 1676..1801, 1676..1798, 1678..1800		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o1.tc	Method	TBLASTX:Cress
Start	794	End	1797
GI	none	Score	147
Exons	794..925, 798..899, 801..929, 802..903, 971..1027, 1232..1261, 1234..1341, 1307..1345, 1508..1600, 1509..1601, 1676..1795, 1678..1797		

Seq. No.	49656	Seq. ID	OJ000208_25.0419.C32
Gene No.	105595	Strand	+
Start	103	End	1843
Name	OJ000208_25.0419.C32.o2.tm	Method	TBLASTX:Maize
Start	1477	End	1801
GI	none	Score	148
Exons	1477..1593, 1496..1600, 1497..1601, 1497..1601, 1676..1801, 1678..1794		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105596	Strand	+
Start	191	End	3469
Name	OJ000208_25.0419.C34.o1.gp	Method	AAT/GAP
Start	191	End	2212
GI	71511_1.R1084	Score	667
Exons	191..359, 1095..1131, 1279..1356, 1877..1901, 1983..2015,		

	2147..2212		
GI Descrip.	'4567262/gb|AAD23675.1|AC006841_3 1.0e-21 (AC006841) putative ubiquitin [Arabidopsis thaliana]'		
Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105596	Strand	+
Start	191	End	3469
Name	OJ000208_25.0419.C34.o1.gs	Method	GENSCAN
Start	1129	End	3469
GI	none	Score	.92
Exons	1129..1131, 1279..1356, 1877..1901, 1983..2015, 2147..2268, 2622..2844, 3014..3177, 3380..3469		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105596	Strand	+
Start	191	End	3469
Name	OJ000208_25.0419.C34.o1.np	Method	AAT/NAP
Start	1273	End	3466
GI	4567262	Score	863
Exons	1273..1356, 1877..1901, 1983..2015, 2147..2268, 2343..2473, 2622..2865, 2954..3186, 3380..3466		
GI Descrip.	(AC006841) putative ubiquitin fusion-degradation protein [Arabidopsis thaliana]		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105597	Strand	-
Start	3372	End	3686
Name	OJ000208_25.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	1271	End	2970
GI	none	Score	121
Exons	1271..1354, 1278..1355, 1278..1379, 1279..1383, 1984..2013, 2145..2267, 2146..2271, 2146..2271, 2338..2433, 2343..2507, 2343..2471, 2348..2479, 2622..2837, 2628..2822, 2944..2970		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105597	Strand	-
Start	3372	End	3686
Name	OJ000208_25.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	1273	End	3003
GI	none	Score	129
Exons	1273..1383, 1281..1352, 1982..2014, 1984..2013, 2135..2269, 2145..2267, 2146..2271, 2146..2271, 2343..2507, 2351..2479, 2622..2855, 2630..2758, 2946..3002, 2947..3003		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105597	Strand	-
Start	3372	End	3686
Name	OJ000208_25.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	1279	End	2426
GI	none	Score	132
Exons	1279..1383, 1281..1379, 1984..2013, 2145..2240, 2146..2241, 2149..2241, 2150..2245, 2224..2271, 2241..2267, 2242..2271, 2343..2426, 2348..2425		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105597	Strand	-
Start	3372	End	3686

Name	OJ000208_25.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	2971	End	3529
GI	none	Score	203
Exons	2971..3177, 2971..3177, 2973..3179, 2973..3179, 3402..3467, 3403..3468, 3427..3468, 3494..3529		

Seq. No.	49657	Seq. ID	OJ000208_25.0419.C34
Gene No.	105597	Strand	-
Start	3372	End	3686
Name	OJ000208_25.0419.C34.o2.gp	Method	AAT/GAP
Start	3372	End	3686
GI	none	Score	591
Exons	3372..3686		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105598	Strand	+
Start	839	End	1278
Name	OJ000208_25.0419.C35.o1.gp	Method	AAT/GAP
Start	839	End	1278
GI	none	Score	837
Exons	839..1278		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	1061	End	1558
GI	none	Score	266
Exons	1061..1342, 1064..1342, 1065..1361, 1206..1358, 1508..1558, 1509..1556		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o1.gs	Method	GENSCAN
Start	1064	End	1711
GI	none	Score	.76
Exons	1064..1369, 1505..1711		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o1.np	Method	AAT/NAP
Start	1070	End	1786
GI	6623879	Score	639
Exons	1070..1369, 1505..1786		
GI Descrip.	(AC018722) putative ATP-dependent CLPB protein [Arabidopsis thaliana]		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	1082	End	1684
GI	none	Score	194
Exons	1082..1420, 1083..1364, 1163..1387, 1491..1679, 1499..1681, 1502..1684		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	1094	End	1285
GI	none	Score	84
Exons	1094..1285, 1106..1273, 1116..1280		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o1.tw	Method	TBLASTX:Wheat
Start	1502	End	1786
GI	none	Score	58
Exons	1502..1660, 1509..1661, 1662..1778, 1682..1786		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o2.tc	Method	TBLASTX:Cress
Start	1508	End	1786
GI	none	Score	67
Exons	1508..1657, 1682..1786, 1695..1778		

Seq. No.	49658	Seq. ID	OJ000208_25.0419.C35
Gene No.	105599	Strand	-
Start	1064	End	1786
Name	OJ000208_25.0419.C35.o2.tm	Method	TBLASTX:Maize
Start	1558	End	1786
GI	none	Score	317
Exons	1558..1695, 1559..1786, 1560..1784, 1561..1785		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	1535
GI	6623879	Score	910
Exons	1..110, 421..475, 600..795, 1023..1260, 1344..1535		
GI Descrip.	(AC018722) putative ATP-dependent CLPB protein [Arabidopsis thaliana]		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1222
GI	none	Score	75
Exons	1..63, 3..113, 421..474, 422..475, 592..801, 599..796, 600..812, 602..829, 1020..1208, 1021..1221, 1024..1209, 1136..1222		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o4.tm	Method	TBLASTX:Maize
Start	412	End	784

GI	none	Score	146
Exons	412..474, 599..784, 600..773		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o1.gs	Method	GENSCAN
Start	421	End	2373
GI	none	Score	.74
Exons	421..475, 600..795, 1023..1260, 1341..1559, 2117..2148, 2235..2373		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o1.tc	Method	TBLASTX:Cress
Start	599	End	784
GI	none	Score	142
Exons	599..784, 600..770		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o3.tm	Method	TBLASTX:Maize
Start	1024	End	1394
GI	none	Score	74
Exons	1024..1260, 1087..1242, 1142..1270, 1335..1394		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o2.ts	Method	TBLASTX:Soybean
Start	1380	End	1574
GI	none	Score	122
Exons	1380..1574, 1381..1485, 1389..1544		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o2.np	Method	AAT/NAP
Start	2162	End	6078
GI	6623883	Score	367
Exons	2162..2180, 5106..5155, 5550..5626, 5727..6078		
GI Descrip.	(AC018722) putative two-component response regulator protein [Arabidopsis thaliana]		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o1.gp	Method	AAT/GAP
Start	3291	End	3499
GI	none	Score	394
Exons	3291..3499		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078

Name	OJ000208_25.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	3453	End	4814
GI	none	Score	42
Exons	3453..3512, 3463..3510, 3518..3559, 3587..3664, 3589..3663, 3590..3667, 3603..3668, 4114..4140, 4114..4260, 4115..4249, 4116..4265, 4219..4266, 4259..4444, 4263..4451, 4269..4409, 4282..4440, 4443..4466, 4444..4467, 4459..4506, 4464..4505, 4465..4506, 4466..4507, 4500..4547, 4508..4546, 4596..4694, 4600..4695, 4600..4812, 4601..4813, 4752..4814		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o2.gs	Method	GENSCAN
Start	3610	End	6027
GI	none	Score	.78
Exons	3610..3663, 4116..4922, 4940..5155, 5550..5626, 5727..6027		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o2.gp	Method	AAT/GAP
Start	4174	End	4529
GI	LIB3434-051-P1-K1-B6	Score	538
Exons	4174..4529		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-38 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o2.tm	Method	TBLASTX:Maize
Start	4849	End	5752
GI	none	Score	101
Exons	4849..4950, 4899..4949, 4946..5098, 4955..5065, 5006..5161, 5057..5158, 5546..5638, 5550..5654, 5551..5625, 5726..5752		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o3.ts	Method	TBLASTX:Soybean
Start	5084	End	5813
GI	none	Score	79
Exons	5084..5158, 5550..5642, 5560..5625, 5719..5808, 5726..5812, 5730..5813, 5747..5812		

Seq. No.	49659	Seq. ID	OJ000208_25.0419.C36
Gene No.	105600	Strand	-
Start	1	End	6078
Name	OJ000208_25.0419.C36.o5.tm	Method	TBLASTX:Maize
Start	5956	End	6078
GI	none	Score	148
Exons	5956..6078, 5969..6076		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105601	Strand	+

Start	18399	End	20665
Name	OJ000208_25.0419.C37.o5.gs	Method	GENSCAN
Start	18399	End	20665
GI	none	Score	.65
Exons	18399..18548, 19396..19513, 19719..19771, 19814..20665		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105601	Strand	+
Start	18399	End	20665
Name	OJ000208_25.0419.C37.o3.np	Method	AAT/NAP
Start	20231	End	20335
GI	7489571	Score	91
Exons	20231..20335		
GI Descrip.	r40c1 protein - rice gi|1296955|emb|CAA64683.1| (X95402) duplicated domain structure protein [Oryza sativa]		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105602	Strand	-
Start	1	End	1537
Name	OJ000208_25.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	1537
GI	7485369	Score	294
Exons	1..197, 753..850, 1509..1537		
GI Descrip.	hypothetical protein F10N7.270 - Arabidopsis thaliana gi|2827643|emb|CAA16597.1| (AL021636) predicted protein [Arabidopsis thaliana] gi|3549641|emb|CAA06432.1| (AJ005195) receiver-like protein 4 [Arabidopsis thaliana] gi|7270096|emb|CAB79910.1| (AL161580) predicted protein [Arabidopsis thaliana]		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105602	Strand	-
Start	1	End	1537
Name	OJ000208_25.0419.C37.o1.gs	Method	GENSCAN
Start	45	End	915
GI	none	Score	.78
Exons	45..197, 684..915		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105603	Strand	-
Start	11821	End	15834
Name	OJ000208_25.0419.C37.o3.gs	Method	GENSCAN
Start	11821	End	15834
GI	none	Score	.68
Exons	11821..12044, 14101..14397, 15783..15834		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105604	Strand	-
Start	17560	End	18144
Name	OJ000208_25.0419.C37.o4.gs	Method	GENSCAN
Start	17560	End	18144
GI	none	Score	.89
Exons	17560..18144		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398

Name	OJ000208_25.0419.C37.o1.tw	Method	TBLASTX:Wheat
Start	15	End	198
GI	none	Score	184
Exons	15..161, 37..198, 41..169, 45..194		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o2.tm	Method	TBLASTX:Maize
Start	31	End	189
GI	none	Score	203
Exons	31..189, 38..169, 39..182, 46..186		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o2.tc	Method	TBLASTX:Cress
Start	37	End	7441
GI	none	Score	153
Exons	37..204, 38..163, 58..198, 60..233, 757..849, 758..847, 7259..7441		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o3.ts	Method	TBLASTX:Soybean
Start	37	End	849
GI	none	Score	151
Exons	37..204, 38..166, 58..192, 757..849, 758..841		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o1.gp	Method	AAT/GAP
Start	21421	End	22965
GI	5003116	Score	1306
Exons	21421..21894, 22020..22114, 22221..22305, 22918..22965		
GI Descrip.	5263324/gb|AAD41426.1|AC007727_15 1.0e-38 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o6.gs	Method	GENSCAN
Start	21499	End	26398
GI	none	Score	.89
Exons	21499..21648, 22221..22305, 23583..23690, 23753..24024, 24078..24161, 26384..26398		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	21831	End	24050
GI	none	Score	44
Exons	21831..21893, 21850..21894, 22019..22114, 22020..22112,		

22221..22316, 22222..22317, 22899..23009, 22914..23012,
22921..23013, 23582..23689, 23585..23689, 23790..23987,
23791..23976, 24003..24050

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o2.ts	Method	TBLASTX:Soybean
Start	21837	End	22327
GI	none	Score	102
Exons	21837..21893, 22015..22113, 22019..22114, 22029..22130, 22219..22317, 22220..22327, 22221..22316		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o4.np	Method	AAT/NAP
Start	21849	End	23981
GI	5263324	Score	798
Exons	21849..21894, 22020..22114, 22221..22305, 22918..23007, 23583..23690, 23794..23981		
GI Descrip.	(AC007727) Identical to gb|Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb|T76747 comes from this gene.		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o1.tc	Method	TBLASTX:Cress
Start	22019	End	23984
GI	none	Score	53
Exons	22019..22114, 22021..22116, 22029..22130, 22207..22308, 22219..22308, 22220..22324, 22221..22310, 22899..23009, 22918..23013, 23580..23690, 23582..23689, 23790..23984, 23791..23976, 23850..23984		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	22923	End	23983
GI	none	Score	72
Exons	22923..23009, 22923..23009, 22924..23013, 23580..23687, 23581..23688, 23582..23689, 23582..23689, 23790..23981, 23797..23976, 23903..23983		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37
Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o2.gp	Method	AAT/GAP
Start	23583	End	24129
GI	20862_1.R1084	Score	587
Exons	23583..23690, 23794..23975, 24078..24129		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	49660	Seq. ID	OJ000208_25.0419.C37

Gene No.	105605	Strand	-
Start	21499	End	26398
Name	OJ000208_25.0419.C37.o3.gp	Method	AAT/GAP
Start	23583	End	24180
GI	20862_1.R1084	Score	673
Exons	23583..23690, 23794..23975, 24078..24180		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	49661	Seq. ID	OJ000208_25.0419.C38
Gene No.	105606	Strand	+
Start	1393	End	2171
Name	OJ000208_25.0419.C38.o1.gs	Method	GENSCAN
Start	1393	End	2171
GI	none	Score	.78
Exons	1393..1635, 1839..1979, 2046..2171		

Seq. No.	49662	Seq. ID	OJ000208_25.0419.C39
Gene No.	105607	Strand	-
Start	1	End	1870
Name	OJ000208_25.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	1870
GI	5732016	Score	353
Exons	1..34, 166..259, 466..609, 697..783, 1655..1870		
GI Descrip.	(L47355) chorimate mutase [Arabidopsis thaliana] gi|5824345|emb|CAB54519.1| (AJ242648) chorismate mutase [Arabidopsis thaliana]		

Seq. No.	49662	Seq. ID	OJ000208_25.0419.C39
Gene No.	105607	Strand	-
Start	1	End	1870
Name	OJ000208_25.0419.C39.o1.gs	Method	GENSCAN
Start	152	End	1846
GI	none	Score	.9
Exons	152..259, 466..609, 1655..1846		

Seq. No.	49662	Seq. ID	OJ000208_25.0419.C39
Gene No.	105607	Strand	-
Start	1	End	1870
Name	OJ000208_25.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	165	End	1843
GI	none	Score	92
Exons	165..257, 167..256, 178..261, 184..267, 185..265, 464..610, 466..612, 475..609, 694..783, 695..793, 696..791, 1655..1843		

Seq. No.	49662	Seq. ID	OJ000208_25.0419.C39
Gene No.	105607	Strand	-
Start	1	End	1870
Name	OJ000208_25.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	167	End	1831
GI	none	Score	61
Exons	167..271, 470..610, 481..609, 490..612, 694..780, 695..781, 1763..1831		

Seq. No.	49663	Seq. ID	OJ000208_25.0419.C40
Gene No.	105608	Strand	-

Start	1	End	1483
Name	OJ000208_25.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	1483
GI	7340860	Score	67
Exons	1..57, 1372..1483		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49663	Seq. ID	OJ000208_25.0419.C40
Gene No.	105609	Strand	-
Start	1385	End	1473
Name	OJ000208_25.0419.C40.o1.gs	Method	GENSCAN
Start	1385	End	1473
GI	none	Score	.64
Exons	1385..1473		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	865
GI	6623879	Score	995
Exons	1..496, 588..865		
GI Descrip.	(AC018722) putative ATP-dependent CLPB protein [Arabidopsis thaliana]		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.ts	Method	TBLASTX:Soybean
Start	1	End	692
GI	none	Score	296
Exons	1..273, 2..493, 3..356, 237..533, 266..499, 585..665, 585..692		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o2.tm	Method	TBLASTX:Maize
Start	2	End	152
GI	none	Score	149
Exons	2..151, 3..152		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o2.tw	Method	TBLASTX:Wheat
Start	2	End	152
GI	none	Score	127
Exons	2..151, 3..152		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.gp	Method	AAT/GAP
Start	34	End	406
GI	LIB3434-028-P1-K1-H9	Score	689
Exons	34..406		

GI Descrip. '3482974/emb|CAA20530.1| 3.0e-41 (AL031369) ATP-dependent Clp proteinase-like protein [Arabidopsis thaliana]'

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.gs	Method	GENSCAN
Start	97	End	815
GI	none	Score	.72
Exons	97..496, 588..815		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.tc	Method	TBLASTX:Cress
Start	138	End	671
GI	none	Score	130
Exons	138..356, 140..493, 328..519, 417..497, 585..671		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.tw	Method	TBLASTX:Wheat
Start	152	End	719
GI	none	Score	93
Exons	152..493, 153..356, 275..499, 585..719, 589..630		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	176	End	713
GI	none	Score	87
Exons	176..493, 177..356, 275..499, 585..713		

Seq. No.	49664	Seq. ID	OJ000208_25.0419.C41
Gene No.	105610	Strand	-
Start	1	End	865
Name	OJ000208_25.0419.C41.o2.ts	Method	TBLASTX:Soybean
Start	726	End	855
GI	none	Score	96
Exons	726..851, 726..854, 727..855		

Seq. No.	49665	Seq. ID	OJ000208_25.0419.C44
Gene No.	105611	Strand	+
Start	1470	End	2820
Name	OJ000208_25.0419.C44.o1.gs	Method	GENSCAN
Start	1470	End	2820
GI	none	Score	.67
Exons	1470..1657, 1735..2196, 2278..2820		

Seq. No.	49665	Seq. ID	OJ000208_25.0419.C44
Gene No.	105612	Strand	-
Start	1003	End	1092
Name	OJ000208_25.0419.C44.o1.gp	Method	AAT/GAP
Start	1003	End	1092
GI	LIB3477-003-P1-K1-E9	Score	123

Exons	1003..1092		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105613	Strand	+
Start	1	End	428
Name	OJ000208_27.0419.C3.o1.gp	Method	AAT/GAP
Start	1	End	428
GI	1438_1.R1084	Score	810
Exons	1..428		
GI Descrip.	'3551954/gb|AAC34855.1| 4.0e-82 (AF082030) senescence-associated protein 5 [Hemerocallis hybrid cultivar]'		
Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105614	Strand	-
Start	92	End	420
Name	OJ000208_27.0419.C3.o1.gs	Method	GENSCAN
Start	92	End	415
GI	none	Score	.87
Exons	92..415		
Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105614	Strand	-
Start	92	End	420
Name	OJ000208_27.0419.C3.o1.np	Method	AAT/NAP
Start	98	End	420
GI	3551954	Score	295
Exons	98..420		
GI Descrip.	(AF082030) senescence-associated protein 5 [Hemerocallis hybrid cultivar]		
Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105615	Strand	-
Start	1072	End	1196
Name	OJ000208_27.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	87	End	293
GI	none	Score	113
Exons	87..140, 134..292, 135..293, 228..293		
Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105615	Strand	-
Start	1072	End	1196
Name	OJ000208_27.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	92	End	463
GI	none	Score	214
Exons	92..148, 137..463, 138..416		
Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105615	Strand	-
Start	1072	End	1196
Name	OJ000208_27.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	125	End	430
GI	none	Score	116
Exons	125..343, 135..329, 350..430, 351..416		

Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105615	Strand	-
Start	1072	End	1196
Name	OJ000208_27.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	135	End	431
GI	none	Score	117
Exons	135..431, 143..430		

Seq. No.	49666	Seq. ID	OJ000208_27.0419.C3
Gene No.	105615	Strand	-
Start	1072	End	1196
Name	OJ000208_27.0419.C3.o2.gp	Method	AAT/GAP
Start	1072	End	1196
GI	none	Score	204
Exons	1072..1196		

Seq. No.	49667	Seq. ID	OJ000208_27.0419.C12
Gene No.	105616	Strand	+
Start	1	End	1733
Name	OJ000208_27.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	665
GI	7486954	Score	180
Exons	1..64, 174..322, 469..665		
GI Descrip.	hypothetical protein T13J8.150 - Arabidopsis thaliana gi|4455363|emb|CAB36773.1| (AL035524) Medicago nodulin N21-like protein [Arabidopsis thaliana] gi|7269658|emb|CAB79606.1| (AL161572) Medicago nodulin N21-like protein [Arabidopsis thaliana]		

Seq. No.	49667	Seq. ID	OJ000208_27.0419.C12
Gene No.	105616	Strand	+
Start	1	End	1733
Name	OJ000208_27.0419.C12.o1.gs	Method	GENSCAN
Start	469	End	1733
GI	none	Score	.58
Exons	469..647, 1264..1354, 1588..1733		

Seq. No.	49668	Seq. ID	OJ000208_27.0419.C14
Gene No.	105617	Strand	+
Start	1	End	431
Name	OJ000208_27.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	431
GI	4680183	Score	143
Exons	1..62, 342..431		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	49669	Seq. ID	OJ000208_27.0419.C18
Gene No.	105618	Strand	+
Start	96	End	589
Name	OJ000208_27.0419.C18.o1.gs	Method	GENSCAN
Start	96	End	589
GI	none	Score	.58
Exons	96..192, 235..471, 483..589		

Seq. No.	49669	Seq. ID	OJ000208_27.0419.C18
Gene No.	105619	Strand	+
Start	1455	End	1528

Name	OJ000208_27.0419.C18.o1.gp	Method	AAT/GAP
Start	1455	End	1528
GI	none	Score	107
Exons	1455..1528		

Seq. No.	49670	Seq. ID	OJ000208_27.0419.C19
Gene No.	105620	Strand	+
Start	2699	End	3088
Name	OJ000208_27.0419.C19.o1.gp	Method	AAT/GAP
Start	2699	End	3088
GI	LIB3434-053-P1-K1-H7	Score	756
Exons	2699..3088		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	49671	Seq. ID	OJ000208_27.0419.C21
Gene No.	105621	Strand	+
Start	230	End	428
Name	OJ000208_27.0419.C21.o1.gs	Method	GENSCAN
Start	230	End	428
GI	none	Score	.92
Exons	230..428		

Seq. No.	49672	Seq. ID	OJ000208_27.0419.C28
Gene No.	105622	Strand	+
Start	472	End	595
Name	OJ000208_27.0419.C28.o1.gs	Method	GENSCAN
Start	472	End	595
GI	none	Score	.61
Exons	472..595		

Seq. No.	49672	Seq. ID	OJ000208_27.0419.C28
Gene No.	105623	Strand	-
Start	409	End	713
Name	OJ000208_27.0419.C28.o1.np	Method	AAT/NAP
Start	409	End	713
GI	6069646	Score	329
Exons	409..713		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49673	Seq. ID	OJ000208_27.0419.C29
Gene No.	105624	Strand	+
Start	1631	End	2971
Name	OJ000208_27.0419.C29.o1.gs	Method	GENSCAN
Start	1631	End	2965
GI	none	Score	1
Exons	1631..2965		

Seq. No.	49673	Seq. ID	OJ000208_27.0419.C29
Gene No.	105624	Strand	+
Start	1631	End	2971
Name	OJ000208_27.0419.C29.o1.np	Method	AAT/NAP

Start	1666	End	2971
GI	3850579	Score	582
Exons	1666..2971		
GI Descrip.	(AC005278) Strong similarity to gb|D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb|H37281, gb|T44167, gb|T21813, gb|N38437, gb|Z26470, gb|R65072, gb|N76373, gb|F15470, gb|Z35182, gb|H76373, gb|Z34678 an...		

Seq. No.	49673	Seq. ID	OJ000208_27.0419.C29
Gene No.	105625	Strand	-
Start	1871	End	4506
Name	OJ000208_27.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	1733	End	2953
GI	none	Score	107
Exons	1733..1861, 1859..1888, 1997..2128, 2276..2314, 2324..2434, 2417..2488, 2480..2659, 2714..2953, 2749..2913		

Seq. No.	49673	Seq. ID	OJ000208_27.0419.C29
Gene No.	105625	Strand	-
Start	1871	End	4506
Name	OJ000208_27.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	1733	End	2953
GI	none	Score	98
Exons	1733..1861, 1859..1888, 1931..1972, 1997..2149, 2147..2191, 2276..2434, 2423..2512, 2504..2659, 2765..2953, 2794..2913		

Seq. No.	49673	Seq. ID	OJ000208_27.0419.C29
Gene No.	105625	Strand	-
Start	1871	End	4506
Name	OJ000208_27.0419.C29.o2.np	Method	AAT/NAP
Start	1871	End	4506
GI	6539570	Score	242
Exons	1871..1900, 2104..2280, 2569..2797, 3449..3498, 4087..4153, 4313..4506		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	49674	Seq. ID	OJ000208_27.0419.C30
Gene No.	105626	Strand	-
Start	1	End	1167
Name	OJ000208_27.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	1167
GI	7446365	Score	115
Exons	1..69, 868..1066, 1120..1167		
GI Descrip.	protein kinase homolog T20D16.7 - Arabidopsis thaliana gi|2642433|gb|AAB87101.1| (AC002391) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	49674	Seq. ID	OJ000208_27.0419.C30
Gene No.	105626	Strand	-
Start	1	End	1167
Name	OJ000208_27.0419.C30.o1.gs	Method	GENSCAN
Start	427	End	1103
GI	none	Score	.96
Exons	427..1103		

Seq. No.	49675	Seq. ID	OJ000208_27.0419.C31

Gene No.	105627	Strand	+
Start	1	End	734
Name	OJ000208_27.0419.C31.o1.gp	Method	AAT/GAP
Start	1	End	734
GI	3409_1.R1084	Score	503
Exons	1..151, 591..734		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	49676	Seq. ID	OJ000208_27.0419.C32
Gene No.	105628	Strand	-
Start	810	End	961
Name	OJ000208_27.0419.C32.o1.gs	Method	GENSCAN
Start	810	End	961
GI	none	Score	.75
Exons	810..961		

Seq. No.	49677	Seq. ID	OJ000208_27.0419.C35
Gene No.	105629	Strand	+
Start	17	End	1058
Name	OJ000208_27.0419.C35.o1.gs	Method	GENSCAN
Start	17	End	1013
GI	none	Score	.95
Exons	17..754, 849..1013		

Seq. No.	49677	Seq. ID	OJ000208_27.0419.C35
Gene No.	105629	Strand	+
Start	17	End	1058
Name	OJ000208_27.0419.C35.o1.np	Method	AAT/NAP
Start	32	End	1058
GI	7486329	Score	760
Exons	32..171, 208..754, 849..1058		
GI Descrip.	hypothetical protein F28M20.220 - Arabidopsis thaliana gi|3281868|emb|CAA19764.1| (AL031004) putative protein [Arabidopsis thaliana] gi|7270062|emb|CAB79877.1| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	49677	Seq. ID	OJ000208_27.0419.C35
Gene No.	105629	Strand	+
Start	17	End	1058
Name	OJ000208_27.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	457	End	1058
GI	none	Score	205
Exons	457..693, 491..667, 708..755, 842..1057, 843..1058	711..755, 712..759, 713..757,	

Seq. No.	49677	Seq. ID	OJ000208_27.0419.C35
Gene No.	105629	Strand	+
Start	17	End	1058
Name	OJ000208_27.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	637	End	1058
GI	none	Score	101
Exons	637..669, 641..757, 712..771,	843..1058, 848..1057	

Seq. No.	49677	Seq. ID	OJ000208_27.0419.C35
Gene No.	105629	Strand	+
Start	17	End	1058

Name	OJ000208_27.0419.C35.o1.gp	Method	AAT/GAP
Start	655	End	1058
GI	5803432	Score	556
Exons	655..754, 849..1058		
GI Descrip.	3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	49677	Seq. ID	OJ000208_27.0419.C35
Gene No.	105629	Strand	+
Start	17	End	1058
Name	OJ000208_27.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	692	End	1040
GI	none	Score	97
Exons	692..757, 693..755, 694..759, 694..771, 841..942, 842..1039, 842..1039, 843..1040		

Seq. No.	49678	Seq. ID	OJ000208_27.0419.C36
Gene No.	105630	Strand	+
Start	1	End	381
Name	OJ000208_27.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	381
GI	7486954	Score	55
Exons	1..25, 264..381		
GI Descrip.	hypothetical protein T13J8.150 - Arabidopsis thaliana gi|4455363|emb|CAB36773.1| (AL035524) Medicago nodulin N21-like protein [Arabidopsis thaliana] gi|7269658|emb|CAB79606.1| (AL161572) Medicago nodulin N21-like protein [Arabidopsis thaliana]		

Seq. No.	49678	Seq. ID	OJ000208_27.0419.C36
Gene No.	105630	Strand	+
Start	1	End	381
Name	OJ000208_27.0419.C36.o1.gs	Method	GENSCAN
Start	265	End	381
GI	none	Score	.99
Exons	265..381		

Seq. No.	49679	Seq. ID	OJ000208_27.0419.C37
Gene No.	105631	Strand	+
Start	818	End	1759
Name	OJ000208_27.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	816	End	1719
GI	none	Score	89
Exons	816..938, 854..922, 966..1061, 1173..1340, 1436..1585, 1437..1586, 1672..1719, 1677..1718		

Seq. No.	49679	Seq. ID	OJ000208_27.0419.C37
Gene No.	105631	Strand	+
Start	818	End	1759
Name	OJ000208_27.0419.C37.o1.gs	Method	GENSCAN
Start	818	End	1588
GI	none	Score	.52
Exons	818..1177, 1182..1340, 1437..1588		

Seq. No.	49679	Seq. ID	OJ000208_27.0419.C37
Gene No.	105631	Strand	+
Start	818	End	1759

Name	OJ000208_27.0419.C37.o1.np	Method	AAT/NAP
Start	823	End	1759
GI	7269943	Score	443
Exons	823..1055, 1182..1340, 1437..1588, 1671..1759		
GI Descrip.	(AL161577) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	49679	Seq. ID	OJ000208_27.0419.C37
Gene No.	105631	Strand	+
Start	818	End	1759
Name	OJ000208_27.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	1173	End	1550
GI	none	Score	81
Exons	1173..1232, 1176..1232, 1181..1237, 1238..1336, 1239..1340, 1412..1528, 1422..1523, 1518..1550		

Seq. No.	49680	Seq. ID	OJ000208_27.0419.C44
Gene No.	105632	Strand	+
Start	752	End	1092
Name	OJ000208_27.0419.C44.o1.gs	Method	GENSCAN
Start	752	End	1092
GI	none	Score	.53
Exons	752..815, 982..1092		

Seq. No.	49680	Seq. ID	OJ000208_27.0419.C44
Gene No.	105633	Strand	-
Start	1203	End	1723
Name	OJ000208_27.0419.C44.o1.np	Method	AAT/NAP
Start	1203	End	1723
GI	7339707	Score	57
Exons	1203..1313, 1503..1723		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	49681	Seq. ID	OJ000208_27.0419.C45
Gene No.	105634	Strand	+
Start	76	End	588
Name	OJ000208_27.0419.C45.o1.np	Method	AAT/NAP
Start	76	End	588
GI	7269947	Score	397
Exons	76..588		
GI Descrip.	(AL161577) glycine-rich protein [Arabidopsis thaliana]		

Seq. No.	49682	Seq. ID	OJ000208_27.0419.C47
Gene No.	105635	Strand	-
Start	102	End	201
Name	OJ000208_27.0419.C47.o1.np	Method	AAT/NAP
Start	102	End	201
GI	5777617	Score	80
Exons	102..201		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o1.np	Method	AAT/NAP
Start	1	End	1536
GI	7488400	Score	1062
Exons	1..28, 143..868, 911..1536		

GI Descrip. trehalose-6-phosphate synthase homolog DL4920W - Arabidopsis thaliana gi|2245136|emb|CAB10557.1| (Z97344) trehalose-6-phosphate synthase like protein [Arabidopsis thaliana] gi|7268530|emb|CAB78780.1| (AL161547) trehalose-6-phosphate synthase like protein [Arabidopsis thaliana]

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o1.gs	Method	GENSCAN
Start	83	End	1441
GI	none	Score	.5
Exons	83..1441		

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o1.tm	Method	TBLASTX:Maize
Start	173	End	1063
GI	none	Score	80
Exons	173..262, 187..258, 269..316, 305..574, 358..573, 532..774, 572..967, 857..937, 974..1063, 974..1063		

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o1.tc	Method	TBLASTX:Cress
Start	365	End	1536
GI	none	Score	92
Exons	365..454, 370..453, 547..627, 569..826, 652..774, 974..1348, 1441..1536		

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o1.ts	Method	TBLASTX:Soybean
Start	419	End	1348
GI	none	Score	64
Exons	419..460, 572..961, 652..711, 971..1231, 1015..1116, 1192..1323, 1301..1348		

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o2.tm	Method	TBLASTX:Maize
Start	1093	End	1536
GI	none	Score	139
Exons	1093..1350, 1094..1240, 1301..1351, 1387..1536, 1390..1536		

Seq. No.	49683	Seq. ID	OJ000208_27.0419.C48
Gene No.	105636	Strand	+
Start	1	End	1536
Name	OJ000208_27.0419.C48.o2.ts	Method	TBLASTX:Soybean
Start	1392	End	1536
GI	none	Score	177
Exons	1392..1529, 1396..1536		

Seq. No.	49684	Seq. ID	OJ000208_27.0419.C52
Gene No.	105637	Strand	-
Start	202	End	359
Name	OJ000208_27.0419.C52.o1.gs	Method	GENSCAN
Start	202	End	359
GI	none	Score	.52
Exons	202..359		

Seq. No.	49685	Seq. ID	OJ000208_27.0419.C55
Gene No.	105638	Strand	+
Start	431	End	520
Name	OJ000208_27.0419.C55.o1.gs	Method	GENSCAN
Start	431	End	520
GI	none	Score	.76
Exons	431..520		

Seq. No.	49685	Seq. ID	OJ000208_27.0419.C55
Gene No.	105639	Strand	-
Start	1121	End	1296
Name	OJ000208_27.0419.C55.o2.gs	Method	GENSCAN
Start	1121	End	1296
GI	none	Score	.67
Exons	1121..1153, 1258..1296		

Seq. No.	49686	Seq. ID	OJ000208_27.0419.C56
Gene No.	105640	Strand	+
Start	491	End	2127
Name	OJ000208_27.0419.C56.o1.gs	Method	GENSCAN
Start	491	End	2127
GI	none	Score	.5
Exons	491..527, 559..640, 1998..2127		

Seq. No.	49687	Seq. ID	OJ000208_27.0419.C57
Gene No.	105641	Strand	-
Start	113	End	1146
Name	OJ000208_27.0419.C57.o1.gs	Method	GENSCAN
Start	113	End	1079
GI	none	Score	.64
Exons	113..234, 560..941, 1028..1079		

Seq. No.	49687	Seq. ID	OJ000208_27.0419.C57
Gene No.	105641	Strand	-
Start	113	End	1146
Name	OJ000208_27.0419.C57.o1.np	Method	AAT/NAP
Start	619	End	1146
GI	6553894	Score	243
Exons	619..770, 810..941, 1028..1146		
GI Descrip.	(AC012563) putative trehalose-6-phosphate synthase [Arabidopsis thaliana]		

Seq. No.	49687	Seq. ID	OJ000208_27.0419.C57
Gene No.	105641	Strand	-
Start	113	End	1146
Name	OJ000208_27.0419.C57.o1.ts	Method	TBLASTX:Soybean
Start	648	End	1145
GI	none	Score	64

Exons	648..737, 798..887, 799..885, 897..953, 1028..1144, 1032..1145		
Seq. No.	49687	Seq. ID	OJ000208_27.0419.C57
Gene No.	105641	Strand	-
Start	113	End	1146
Name	OJ000208_27.0419.C57.o1.tc	Method	TBLASTX:Cress
Start	654	End	1145
GI	none	Score	56
Exons	654..734, 810..893, 820..885, 888..962, 1020..1145, 1028..1144		
Seq. No.	49687	Seq. ID	OJ000208_27.0419.C57
Gene No.	105641	Strand	-
Start	113	End	1146
Name	OJ000208_27.0419.C57.o1.tm	Method	TBLASTX:Maize
Start	654	End	1124
GI	none	Score	78
Exons	654..734, 801..908, 888..962, 1028..1123, 1032..1124		
Seq. No.	49688	Seq. ID	OJ000208_27.0419.C58
Gene No.	105642	Strand	-
Start	1	End	652
Name	OJ000208_27.0419.C58.o1.np	Method	AAT/NAP
Start	1	End	634
GI	7486954	Score	92
Exons	1..45, 165..220, 443..634		
GI Descrip.	hypothetical protein T13J8.150 - Arabidopsis thaliana gi|4455363|emb|CAB36773.1| (AL035524) Medicago nodulin N21-like protein [Arabidopsis thaliana] gi|7269658|emb|CAB79606.1| (AL161572) Medicago nodulin N21-like protein [Arabidopsis thaliana]		
Seq. No.	49688	Seq. ID	OJ000208_27.0419.C58
Gene No.	105642	Strand	-
Start	1	End	652
Name	OJ000208_27.0419.C58.o1.tm	Method	TBLASTX:Maize
Start	1	End	634
GI	none	Score	57
Exons	1..45, 455..634		
Seq. No.	49688	Seq. ID	OJ000208_27.0419.C58
Gene No.	105642	Strand	-
Start	1	End	652
Name	OJ000208_27.0419.C58.o1.gs	Method	GENSCAN
Start	456	End	652
GI	none	Score	.98
Exons	456..652		
Seq. No.	49689	Seq. ID	OJ000208_27.0419.C61
Gene No.	105643	Strand	-
Start	418	End	469
Name	OJ000208_27.0419.C61.o1.gs	Method	GENSCAN
Start	418	End	469
GI	none	Score	.43
Exons	418..469		
Seq. No.	49690	Seq. ID	OJ000208_27.0419.C65
Gene No.	105644	Strand	-

Start	19	End	2269
Name	OJ000208_27.0419.C65.o1.tm	Method	TBLASTX:Maize
Start	1	End	2175
GI	none	Score	111
Exons	1..111, 2..121, 997..1119, 998..1087, 1663..1788, 1666..1806, 1867..1890, 1998..2174, 1999..2175		

Seq. No.	49690	Seq. ID	OJ000208_27.0419.C65
Gene No.	105644	Strand	-
Start	19	End	2269
Name	OJ000208_27.0419.C65.o1.gs	Method	GENSCAN
Start	19	End	2229
GI	none	Score	.95
Exons	19..200, 999..1120, 1670..1889, 1997..2229		

Seq. No.	49690	Seq. ID	OJ000208_27.0419.C65
Gene No.	105644	Strand	-
Start	19	End	2269
Name	OJ000208_27.0419.C65.o1.np	Method	AAT/NAP
Start	903	End	2229
GI	7489741	Score	567
Exons	903..1120, 1666..1889, 1997..2229		
GI Descrip.	glossy1 protein gl1 - maize gi|1209655|gb|AAB87597.1| (U37428) gl1 [Zea mays]		

Seq. No.	49690	Seq. ID	OJ000208_27.0419.C65
Gene No.	105644	Strand	-
Start	19	End	2269
Name	OJ000208_27.0419.C65.o1.gp	Method	AAT/GAP
Start	1781	End	2269
GI	2428192	Score	623
Exons	1781..1889, 1997..2269		
GI Descrip.	1209655 7.0e-30 (U37428) gl1 [Zea mays]		

Seq. No.	49691	Seq. ID	OJ000208_27.0419.C66
Gene No.	105645	Strand	+
Start	63	End	171
Name	OJ000208_27.0419.C66.o1.gs	Method	GENSCAN
Start	63	End	171
GI	none	Score	.77
Exons	63..171		

Seq. No.	49691	Seq. ID	OJ000208_27.0419.C66
Gene No.	105646	Strand	-
Start	3171	End	4244
Name	OJ000208_27.0419.C66.o1.np	Method	AAT/NAP
Start	3171	End	4244
GI	6907106	Score	447
Exons	3171..3376, 3450..3612, 3733..4041, 4090..4244		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49691	Seq. ID	OJ000208_27.0419.C66
Gene No.	105646	Strand	-
Start	3171	End	4244
Name	OJ000208_27.0419.C66.o1.tm	Method	TBLASTX:Maize
Start	3268	End	3644

GI	none	Score	45
Exons	3268..3303, 3269..3304, 3300..3317, 3330..3401, 3380..3415, 3405..3644, 3432..3602		

Seq. No.	49692	Seq. ID	OJ000208_27.0419.C69
Gene No.	105647	Strand	+
Start	1	End	586
Name	OJ000208_27.0419.C69.o1.gp	Method	AAT/GAP
Start	1	End	265
GI	LIB3433-020-P1-K1-A6	Score	490
Exons	1..265		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	49692	Seq. ID	OJ000208_27.0419.C69
Gene No.	105647	Strand	+
Start	1	End	586
Name	OJ000208_27.0419.C69.o1.np	Method	AAT/NAP
Start	1	End	586
GI	5441880	Score	144
Exons	1..22, 405..586		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	49693	Seq. ID	OJ000208_27.0419.C71
Gene No.	105648	Strand	+
Start	1389	End	2969
Name	OJ000208_27.0419.C71.o1.gs	Method	GENSCAN
Start	1389	End	1726
GI	none	Score	.43
Exons	1389..1726		

Seq. No.	49693	Seq. ID	OJ000208_27.0419.C71
Gene No.	105648	Strand	+
Start	1389	End	2969
Name	OJ000208_27.0419.C71.o1.np	Method	AAT/NAP
Start	1616	End	2969
GI	4006900	Score	67
Exons	1616..1738, 2948..2969		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49694	Seq. ID	OJ000208_27.0419.C74
Gene No.	105649	Strand	+
Start	1	End	709
Name	OJ000208_27.0419.C74.o1.np	Method	AAT/NAP
Start	1	End	709
GI	7269943	Score	142
Exons	1..157, 251..372, 594..709		
GI Descrip.	(AL161577) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	49694	Seq. ID	OJ000208_27.0419.C74
Gene No.	105649	Strand	+
Start	1	End	709
Name	OJ000208_27.0419.C74.o1.gs	Method	GENSCAN
Start	5	End	424
GI	none	Score	.93

Exons	5..424		
Seq. No.	49695	Seq. ID	OJ000208_27.0419.C76
Gene No.	105650	Strand	-
Start	30	End	599
Name	OJ000208_27.0419.C76.o1.gs	Method	GENSCAN
Start	30	End	599
GI	none	Score	.85
Exons	30..599		
Seq. No.	49696	Seq. ID	OJ000208_27.0419.C78
Gene No.	105651	Strand	-
Start	554	End	767
Name	OJ000208_27.0419.C78.o1.gs	Method	GENSCAN
Start	554	End	767
GI	none	Score	.98
Exons	554..676, 734..767		
Seq. No.	49697	Seq. ID	OJ000208_27.0419.C80
Gene No.	105652	Strand	-
Start	1	End	417
Name	OJ000208_27.0419.C80.o1.np	Method	AAT/NAP
Start	1	End	335
GI	6997177	Score	118
Exons	1..335		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	49697	Seq. ID	OJ000208_27.0419.C80
Gene No.	105652	Strand	-
Start	1	End	417
Name	OJ000208_27.0419.C80.o1.gs	Method	GENSCAN
Start	36	End	417
GI	none	Score	.45
Exons	36..417		
Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105653	Strand	+
Start	11069	End	14331
Name	OJ000118_23.0419.C1.o3.np	Method	AAT/NAP
Start	11069	End	14331
GI	7248395	Score	339
Exons	11069..11318, 13519..13754, 13796..14143, 14190..14331		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105654	Strand	+
Start	14686	End	19471
Name	OJ000118_23.0419.C1.o4.np	Method	AAT/NAP
Start	14686	End	19471
GI	6721547	Score	471
Exons	14686..14718, 15701..15925, 16528..18116, 19434..19471		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105654	Strand	+
Start	14686	End	19471
Name	OJ000118_23.0419.C1.o3.gs	Method	GENSCAN

Start	15225	End	18728
GI	none	Score	.97
Exons	15225..15700, 15816..15995, 16505..18728		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105655	Strand	-
Start	1156	End	3457
Name	OJ000118_23.0419.C1.o1.np	Method	AAT/NAP
Start	1156	End	3457
GI	7452432	Score	462
Exons	1156..1183, 2449..2753, 2860..3065, 3185..3457		
GI Descrip.	hypothetical protein F16J13.140 - Arabidopsis thaliana gi|4586112|emb|CAB40948.1| (AL049638) putative protein [Arabidopsis thaliana] gi|7267908|emb|CAB78250.1| (AL161533) putative protein [Arabidopsis thaliana]		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105655	Strand	-
Start	1156	End	3457
Name	OJ000118_23.0419.C1.o1.gp	Method	AAT/GAP
Start	2425	End	2990
GI	63580_1.R1084	Score	834
Exons	2425..2753, 2860..2990		
GI Descrip.	'4586112/emb|CAB40948.1| 2.0e-37 (AL049638) putative protein [Arabidopsis thaliana]'		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105656	Strand	-
Start	5535	End	11535
Name	OJ000118_23.0419.C1.o2.np	Method	AAT/NAP
Start	5535	End	11535
GI	4680207	Score	705
Exons	5535..5571, 7788..9599, 10726..11535		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105657	Strand	-
Start	13486	End	14004
Name	OJ000118_23.0419.C1.o2.gs	Method	GENSCAN
Start	13486	End	14004
GI	none	Score	.75
Exons	13486..13680, 13885..14004		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	1505	End	21887
GI	none	Score	84
Exons	1505..1546, 1579..1707, 1585..1707, 19557..19742, 19573..19737, 20122..20421, 20431..20481, 21380..21460, 21382..21492, 21395..21478, 21706..21873, 21708..21887, 21710..21883		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049

Name	OJ000118_23.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	1582	End	21804
GI	none	Score	80
Exons	1582..1707, 1583..1750, 19557..19742, 19568..19690, 19570..19746, 19570..19749, 19571..19756, 20110..20307, 20311..20481, 20333..20482, 21320..21478, 21322..21492, 21323..21478, 21706..21804, 21708..21803		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o1.tw	Method	TBLASTX:Wheat
Start	1582	End	20382
GI	none	Score	58
Exons	1582..1704, 1582..1707, 1583..1708, 1583..1738, 19594..19746, 19596..19742, 20110..20322, 20129..20218, 20317..20382, 20331..20381		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o2.tm	Method	TBLASTX:Maize
Start	2592	End	3001
GI	none	Score	55
Exons	2592..2645, 2592..2654, 2661..2756, 2686..2754, 2859..2999, 2860..2994, 2860..3000, 2867..3001		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o2.ts	Method	TBLASTX:Soybean
Start	2613	End	3320
GI	none	Score	98
Exons	2613..2717, 2673..2756, 2860..3000, 2861..3001, 2983..3063, 3186..3320		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o4.tw	Method	TBLASTX:Wheat
Start	8921	End	17225
GI	none	Score	100
Exons	8921..9106, 9086..9229, 16953..17039, 17046..17225		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o3.ts	Method	TBLASTX:Soybean
Start	8960	End	17612
GI	none	Score	34
Exons	8960..9112, 9056..9109, 9122..9316, 9147..9257, 9366..9455, 9401..9454, 16740..16814, 16944..17087, 17493..17612		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o3.tm	Method	TBLASTX:Maize

Start	9101	End	17072
GI	none	Score	116
Exons	9101..9325, 16938..17072		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o3.tw	Method	TBLASTX:Wheat
Start	16599	End	16949
GI	none	Score	49
Exons	16599..16643, 16638..16733, 16745..16948, 16746..16949		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o5.np	Method	AAT/NAP
Start	17577	End	22049
GI	1150406	Score	186
Exons	17577..17673, 20336..20461, 21298..21478, 21709..21884, 21986..22049		
GI Descrip.	(Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o2.gp	Method	AAT/GAP
Start	18680	End	19114
GI	80174_2.R1084	Score	814
Exons	18680..19114		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-41 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o3.gp	Method	AAT/GAP
Start	19278	End	20369
GI	none	Score	1256
Exons	19278..19735, 20130..20369		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o4.gs	Method	GENSCAN
Start	19548	End	21878
GI	none	Score	1
Exons	19548..19735, 20130..20479, 21323..21478, 21709..21878		

Seq. No.	49698	Seq. ID	OJ000118_23.0419.C1
Gene No.	105658	Strand	-
Start	17577	End	22049
Name	OJ000118_23.0419.C1.o2.tw	Method	TBLASTX:Wheat
Start	20399	End	21734
GI	none	Score	96
Exons	20399..20482, 20410..20481, 21322..21477, 21323..21478, 21699..21734		

Seq. No.	49699	Seq. ID	OJ000118_23.0419.C2
Gene No.	105659	Strand	-
Start	359	End	3505
Name	OJ000118_23.0419.C2.o1.gs	Method	GENSCAN
Start	359	End	3330
GI	none	Score	.84
Exons	359..439, 1355..1513, 3061..3330		

Seq. No.	49699	Seq. ID	OJ000118_23.0419.C2
Gene No.	105659	Strand	-
Start	359	End	3505
Name	OJ000118_23.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	1353	End	3505
GI	none	Score	61
Exons	1353..1415, 1355..1417, 1421..1513, 3115..3369, 3116..3370, 3470..3505, 3471..3503		

Seq. No.	49699	Seq. ID	OJ000118_23.0419.C2
Gene No.	105659	Strand	-
Start	359	End	3505
Name	OJ000118_23.0419.C2.o1.gp	Method	AAT/GAP
Start	1355	End	3505
GI	15384_1.R1084	Score	905
Exons	1355..1513, 3061..3369, 3472..3505		
GI Descrip.	'1150406/emb|CAA86948.1| 4.0e-17 (Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]'		

Seq. No.	49699	Seq. ID	OJ000118_23.0419.C2
Gene No.	105659	Strand	-
Start	359	End	3505
Name	OJ000118_23.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	3196	End	3504
GI	none	Score	155
Exons	3196..3375, 3197..3370, 3230..3412, 3463..3504, 3472..3504		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105660	Strand	+
Start	300	End	3937
Name	OJ000118_23.0419.C4.o1.gs	Method	GENSCAN
Start	300	End	3937
GI	none	Score	.61
Exons	300..529, 694..3937		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105660	Strand	+
Start	300	End	3937
Name	OJ000118_23.0419.C4.o1.np	Method	AAT/NAP
Start	713	End	3934
GI	6907089	Score	4333
Exons	713..1973, 2077..3934		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105661	Strand	+
Start	10269	End	11541

Name	OJ000118_23.0419.C4.o4.np	Method	AAT/NAP
Start	10269	End	11541
GI	7523512	Score	204
Exons	10269..10342, 11418..11541		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o2.gs	Method	GENSCAN
Start	4148	End	13127
GI	none	Score	.63
Exons	4148..4174, 4240..4366, 4558..5122, 5193..7530, 7560..7736, 7803..7886, 7950..10382, 10419..10589, 10748..10834, 11258..11310, 11389..11467, 13125..13127		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o6.tm	Method	TBLASTX:Maize
Start	4557	End	4700
GI	none	Score	127
Exons	4557..4700, 4561..4695		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o2.np	Method	AAT/NAP
Start	4560	End	10310
GI	7228457	Score	8081
Exons	4560..6108, 6175..7134, 7257..7886, 7950..9882, 9944..10310		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o8.tw	Method	TBLASTX:Wheat
Start	4569	End	5169
GI	none	Score	74
Exons	4569..4694, 4573..4695, 4755..5090, 4887..5102, 4888..5103, 5092..5169, 5093..5164, 5094..5165		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o3.tw	Method	TBLASTX:Wheat
Start	5170	End	5551
GI	none	Score	185
Exons	5170..5550, 5201..5449, 5209..5547, 5474..5551		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	5365	End	5688

GI	none	Score	222
Exons	5365..5688, 5378..5659		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o10.tw	Method	TBLASTX:Wheat
Start	5881	End	6193
GI	none	Score	61
Exons	5881..6141, 6017..6193		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o4.ts	Method	TBLASTX:Soybean
Start	5941	End	6507
GI	5666795	Score	68
Exons	5941..6141, 6196..6333, 6409..6507		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o4.tw	Method	TBLASTX:Wheat
Start	6196	End	6654
GI	none	Score	88
Exons	6196..6345, 6197..6334, 6380..6565, 6400..6654, 6406..6630		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o3.ts	Method	TBLASTX:Soybean
Start	7063	End	7434
GI	none	Score	89
Exons	7063..7434, 7274..7417		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	7093	End	7513
GI	none	Score	257
Exons	7093..7512, 7118..7513		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o3.tm	Method	TBLASTX:Maize
Start	7186	End	7570
GI	none	Score	168
Exons	7186..7569, 7217..7417, 7300..7509, 7484..7570		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o9.tw	Method	TBLASTX:Wheat
Start	7575	End	7757

GI	none	Score	116
Exons	7575..7757, 7615..7755		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o2.tw	Method	TBLASTX:Wheat
Start	7759	End	8529
GI	none	Score	152
Exons	7759..7902, 7773..7955, 7780..7893, 7785..7955, 7838..7951, 8043..8528, 8074..8334, 8356..8529		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o5.tw	Method	TBLASTX:Wheat
Start	9264	End	9653
GI	none	Score	95
Exons	9264..9521, 9298..9537, 9504..9602, 9505..9585, 9609..9653		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o5.tm	Method	TBLASTX:Maize
Start	9366	End	9614
GI	none	Score	105
Exons	9366..9614, 9367..9612		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o3.np	Method	AAT/NAP
Start	10536	End	18562
GI	5042454	Score	188
Exons	10536..10596, 10939..11110, 18546..18562		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	13555	End	15795
GI	none	Score	42
Exons	13555..13692, 13584..13913, 13729..13902, 13957..14367, 13974..14372, 14802..15185, 14803..15186, 15396..15593, 15400..15591, 15682..15795		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o3.gs	Method	GENSCAN
Start	13557	End	20227
GI	none	Score	.68
Exons	13557..14370, 14911..15275, 15369..15586, 15720..15786, 17729..17818, 17906..18153, 19879..19967, 20169..20227		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4

Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o5.np	Method	AAT/NAP
Start	13569	End	15828
GI	4102839	Score	1331
Exons	13569..14370, 14749..15304, 15396..15586, 15684..15828		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	13584	End	15191
GI	none	Score	146
Exons	13584..13913, 13618..13911, 13957..14373, 13974..14372, 14796..15017, 14797..15003, 15021..15083, 15028..15087, 15054..15191, 15070..15189		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	13593	End	15191
GI	none	Score	113
Exons	13593..13694, 13728..13913, 13957..14151, 13968..14150, 14154..14354, 14155..14310, 14338..14373, 14340..14372, 14835..15191, 14854..15189		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o7.tw	Method	TBLASTX:Wheat
Start	13605	End	13901
GI	none	Score	126
Exons	13605..13901, 13606..13899		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o4.tm	Method	TBLASTX:Maize
Start	15363	End	15787
GI	none	Score	132
Exons	15363..15593, 15400..15591, 15674..15787, 15679..15786		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	15396	End	15789
GI	none	Score	119
Exons	15396..15593, 15400..15591, 15682..15786, 15685..15789		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o6.tw	Method	TBLASTX:Wheat
Start	15444	End	15820

GI	none	Score	104
Exons	15444..15593, 15448..15594, 15674..15820, 15679..15807		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o1.gp	Method	AAT/GAP
Start	16778	End	17070
GI	none	Score	461
Exons	16778..17070		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o6.np	Method	AAT/NAP
Start	17863	End	19915
GI	6002603	Score	65
Exons	17863..18032, 19776..19915		
GI Descrip.	(AF092654) putative high-affinity nitrate transporter [Lycopersicon esculentum]		

Seq. No.	49700	Seq. ID	OJ000118_23.0419.C4
Gene No.	105662	Strand	-
Start	4148	End	20227
Name	OJ000118_23.0419.C4.o7.np	Method	AAT/NAP
Start	19120	End	19966
GI	7228450	Score	257
Exons	19120..19233, 19318..19454, 19596..19685, 19854..19966		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o1.np	Method	AAT/NAP
Start	204	End	4873
GI	3859694	Score	235
Exons	204..470, 621..1008, 1099..1255, 1488..1696, 3916..4033, 4751..4873		
GI Descrip.	(AL033497) beta-gluconase [Candida albicans]		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	240	End	4839
GI	none	Score	104
Exons	240..425, 244..426, 246..425, 647..781, 651..761, 759..878, 761..1018, 1099..1257, 1100..1237, 1485..1583, 1487..1582, 4049..4240, 4067..4240, 4074..4283, 4480..4674, 4487..4672, 4681..4839		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	246	End	4852
GI	none	Score	116

Exons	246..425, 262..426, 647..781, 651..761, 761..829, 762..833, 827..946, 863..937, 953..1018, 954..1010, 1135..1251, 1160..1246, 1485..1652, 1487..1666, 1489..1662, 2569..2628, 4067..4237, 4067..4240, 4077..4280, 4480..4776, 4487..4732, 4789..4839, 4808..4852		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o2.tw	Method	TBLASTX:Wheat
Start	283	End	4581
GI	none	Score	167
Exons	283..426, 285..425, 319..429, 647..754, 651..758, 4098..4262, 4100..4240, 4480..4581, 4487..4579		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o1.gs	Method	GENSCAN
Start	349	End	4805
GI	none	Score	.74
Exons	349..527, 652..1007, 1488..1657, 2569..2727, 3519..3827, 3944..4239, 4488..4805		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	761	End	4839
GI	none	Score	97
Exons	761..958, 765..896, 851..958, 931..1002, 938..1018, 939..1010, 1088..1255, 1098..1256, 1099..1251, 4585..4680, 4586..4681, 4678..4782, 4679..4753, 4774..4839		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	2635	End	4033
GI	none	Score	133
Exons	2635..2727, 3495..3641, 3502..3645, 3606..3815, 3609..3827, 3610..3828, 3942..4031, 3942..4031, 3943..4032, 3944..4033		

Seq. No.	49701	Seq. ID	OJ000118_23.0419.C5
Gene No.	105663	Strand	-
Start	349	End	4873
Name	OJ000118_23.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	3642	End	4033
GI	none	Score	165
Exons	3642..3827, 3643..3834, 3655..3831, 3942..4025, 3944..4033		

Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	4389
GI	none	Score	108

Exons	2..61, 244..342, 246..341, 2891..3103, 2893..3084, 3519..3932, 3523..3879, 3968..4102, 3969..4118, 3969..4136, 3979..4134, 4291..4389, 4293..4388		
Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	2	End	4135
GI	none	Score	62
Exons	2..46, 3..47, 219..272, 3621..3791, 3622..3702, 3730..3804, 3731..3796, 3793..3879, 3803..3871, 3810..3887, 3968..4132, 3969..4133, 3970..4134, 4028..4135		
Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	4491
GI	none	Score	230
Exons	2..46, 229..417, 229..417, 237..428, 246..422, 881..964, 971..1054, 2315..2434, 2385..2432, 2420..2623, 2433..2624, 2442..2624, 2488..2625, 2783..2887, 2783..2872, 2785..2889, 2785..2898, 3717..3887, 3730..3879, 3978..4133, 3979..4134, 4284..4397, 4291..4491, 4293..4472		
Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o1.gs	Method	GENSCAN
Start	247	End	5104
GI	none	Score	.77
Exons	247..416, 902..1060, 2315..2623, 2785..3071, 3524..3876, 3979..4134, 4294..4463, 5015..5104		
Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o2.ts	Method	TBLASTX:Soybean
Start	343	End	4472
GI	none	Score	78
Exons	343..411, 345..422, 348..416, 878..964, 918..965, 964..1029, 985..1020, 2312..2440, 2427..2558, 2429..2623, 2448..2624, 2783..2824, 2785..2826, 2824..2880, 2828..2878, 4390..4458, 4390..4464, 4392..4472		
Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o2.np	Method	AAT/NAP
Start	1866	End	5922
GI	1150406	Score	169
Exons	1866..1980, 3733..3876, 3970..4134, 4294..4469, 5893..5922		
GI Descrip.	(Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]		
Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6

Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o2.tm	Method	TBLASTX:Maize
Start	2898	End	3635
GI	none	Score	156
Exons	2898..3068, 2899..3084, 2900..3103, 3519..3635		

Seq. No.	49702	Seq. ID	OJ000118_23.0419.C6
Gene No.	105664	Strand	-
Start	247	End	5922
Name	OJ000118_23.0419.C6.o2.tw	Method	TBLASTX:Wheat
Start	2930	End	3614
GI	none	Score	149
Exons	2930..3094, 2930..3073, 2932..3084, 3517..3558, 3519..3614, 3523..3603		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105665	Strand	+
Start	12445	End	15251
Name	OJ000118_23.0419.C7.o1.gp	Method	AAT/GAP
Start	12418	End	15251
GI	39125_1.R1084	Score	1345
Exons	12418..12631, 14720..15251		
GI Descrip.	'4584110/emb|CAB40579.1| 7.0e-38 (AJ133639) SAH7 protein [Arabidopsis thaliana]'		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105665	Strand	+
Start	12445	End	15251
Name	OJ000118_23.0419.C7.o2.gs	Method	GENSCAN
Start	12445	End	15051
GI	none	Score	.73
Exons	12445..12631, 14720..15051		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105665	Strand	+
Start	12445	End	15251
Name	OJ000118_23.0419.C7.o2.np	Method	AAT/NAP
Start	12469	End	15045
GI	6561156	Score	312
Exons	12469..12631, 14720..15045		
GI Descrip.	(AF109693) allergen-like protein BRSn20 [Sambucus nigra]		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105666	Strand	-
Start	416	End	10270
Name	OJ000118_23.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	395	End	2376
GI	none	Score	59
Exons	395..487, 500..574, 1553..1672, 1566..1670, 1652..1870, 1653..1871, 2220..2348, 2266..2370, 2269..2376		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105666	Strand	-
Start	416	End	10270
Name	OJ000118_23.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	395	End	2348

GI	none	Score	112
Exons	395..544, 1550..1870, 1716..1871, 2310..2348		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105666	Strand	-
Start	416	End	10270
Name	OJ000118_23.0419.C7.o1.gs	Method	GENSCAN
Start	416	End	10270
GI	none	Score	.56
Exons	416..574, 1553..1870, 2194..2241, 2268..2419, 2955..3170, 3642..3687, 4022..4254, 4825..4990, 5047..5145, 5490..5627, 6562..6728, 6749..7242, 10004..10054, 10158..10270		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105666	Strand	-
Start	416	End	10270
Name	OJ000118_23.0419.C7.o1.np	Method	AAT/NAP
Start	3633	End	4143
GI	7523517	Score	244
Exons	3633..3687, 3832..4143		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105667	Strand	
Start	12535	End	15051
Name	OJ000118_23.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	12535	End	15042
GI	none	Score	116
Exons	12535..12633, 12555..12647, 14719..15042, 14859..15038		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105667	Strand	
Start	12535	End	15051
Name	OJ000118_23.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	12538	End	15042
GI	none	Score	143
Exons	12538..12633, 12555..12632, 14716..15042		

Seq. No.	49703	Seq. ID	OJ000118_23.0419.C7
Gene No.	105667	Strand	
Start	12535	End	15051
Name	OJ000118_23.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	12582	End	15051
GI	none	Score	80
Exons	12582..12632, 12583..12633, 14718..15050, 14718..15047, 14719..15051, 14861..15049		

Seq. No.	49704	Seq. ID	OJ000118_23.0419.C8
Gene No.	105668	Strand	+
Start	2508	End	4044
Name	OJ000118_23.0419.C8.o1.np	Method	AAT/NAP
Start	2508	End	4044
GI	6598593	Score	173
Exons	2508..2574, 3926..4044		
GI Descrip.	(AC006228) F5J5.5 [Arabidopsis thaliana] gi|6970281|gb|AAF34231.1| (AC021666) putative AP2 domain-containing transcription factor [Arabidopsis thaliana]		

Seq. No.	49704	Seq. ID	OJ000118_23.0419.C8
Gene No.	105668	Strand	+
Start	2508	End	4044
Name	OJ000118_23.0419.C8.o1.gs	Method	GENSCAN
Start	3451	End	4022
GI	none	Score	.58
Exons	3451..4022		

Seq. No.	49704	Seq. ID	OJ000118_23.0419.C8
Gene No.	105668	Strand	+
Start	2508	End	4044
Name	OJ000118_23.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	3924	End	4044
GI	none	Score	207
Exons	3924..4043, 3928..4044		

Seq. No.	49704	Seq. ID	OJ000118_23.0419.C8
Gene No.	105668	Strand	+
Start	2508	End	4044
Name	OJ000118_23.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	3930	End	4044
GI	none	Score	205
Exons	3930..4043, 3931..4044		

Seq. No.	49704	Seq. ID	OJ000118_23.0419.C8
Gene No.	105668	Strand	+
Start	2508	End	4044
Name	OJ000118_23.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3930	End	4044
GI	none	Score	202
Exons	3930..4043, 3931..4044		

Seq. No.	49705	Seq. ID	OJ000118_23.0419.C10
Gene No.	105669	Strand	+
Start	1361	End	2183
Name	OJ000118_23.0419.C10.o1.gs	Method	GENSCAN
Start	1361	End	2183
GI	none	Score	.68
Exons	1361..1454, 1798..2183		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105670	Strand	+
Start	60	End	1032
Name	OJ000118_23.0419.C11.o1.gs	Method	GENSCAN
Start	60	End	1032
GI	none	Score	.53
Exons	60..281, 679..1032		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105671	Strand	+
Start	4470	End	4762
Name	OJ000118_23.0419.C11.o2.gp	Method	AAT/GAP
Start	4470	End	4762
GI	61605_3.R1084	Score	214
Exons	4470..4641, 4725..4762		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis		

thaliana]'

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105672	Strand	+
Start	5114	End	5868
Name	OJ000118_23.0419.C11.o2.np	Method	AAT/NAP
Start	5114	End	5868
GI	6983860	Score	502
Exons	5114..5560, 5588..5868		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105673	Strand	+
Start	6893	End	7785
Name	OJ000118_23.0419.C11.o3.gp	Method	AAT/GAP
Start	6893	End	7785
GI	101153_1.R1084	Score	997
Exons	6893..7237, 7555..7785		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105674	Strand	+
Start	7801	End	8228
Name	OJ000118_23.0419.C11.o4.gp	Method	AAT/GAP
Start	7801	End	8228
GI	2428185	Score	837
Exons	7801..8228		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105675	Strand	+
Start	22484	End	25279
Name	OJ000118_23.0419.C11.o5.np	Method	AAT/NAP
Start	22484	End	25279
GI	7228457	Score	3967
Exons	22484..22850, 22912..24847, 24911..25279		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105676	Strand	-
Start	1	End	872
Name	OJ000118_23.0419.C11.o1.gp	Method	AAT/GAP
Start	1	End	865
GI	4996641	Score	1374
Exons	1..865		
GI Descrip.	4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105676	Strand	-
Start	1	End	872
Name	OJ000118_23.0419.C11.o1.np	Method	AAT/NAP

Start	106	End	872
GI	4996642	Score	1015
Exons	106..872		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105677	Strand	-
Start	7017	End	18721
Name	OJ000118_23.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	374	End	781
GI	none	Score	40
Exons	374..412, 427..477, 443..562, 559..660, 577..762, 661..750,	444..470, 662..781,	476..499, 515..559, 690..761

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105677	Strand	-
Start	7017	End	18721
Name	OJ000118_23.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	5215	End	5514
GI	none	Score	241
Exons	5215..5514, 5229..5399, 5440..5502		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105677	Strand	-
Start	7017	End	18721
Name	OJ000118_23.0419.C11.o3.tw	Method	TBLASTX:Wheat
Start	5215	End	5571
GI	none	Score	288
Exons	5215..5571, 5229..5405		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105677	Strand	-
Start	7017	End	18721
Name	OJ000118_23.0419.C11.o3.np	Method	AAT/NAP
Start	7017	End	18174
GI	5852180	Score	314
Exons	7017..7390, 8398..8567, 18118..18174		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105677	Strand	-
Start	7017	End	18721
Name	OJ000118_23.0419.C11.o5.gp	Method	AAT/GAP
Start	8751	End	9061
GI	61605_3.R1084	Score	451
Exons	8751..9061		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105677	Strand	-
Start	7017	End	18721
Name	OJ000118_23.0419.C11.o4.gs	Method	GENSCAN
Start	18044	End	18721
GI	none	Score	.93
Exons	18044..18325, 18710..18721		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105678	Strand	
Start	23138	End	23530
Name	OJ000118_23.0419.C11.o2.tw	Method	TBLASTX:Wheat
Start	23138	End	23530
GI	none	Score	58
Exons	23138..23185, 23192..23290, 23209..23289, 23257..23418, 23273..23530		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105678	Strand	
Start	23138	End	23530
Name	OJ000118_23.0419.C11.o3.tm	Method	TBLASTX:Maize
Start	23143	End	23428
GI	none	Score	193
Exons	23143..23427, 23180..23428		

Seq. No.	49706	Seq. ID	OJ000118_23.0419.C11
Gene No.	105679	Strand	
Start	24268	End	25039
Name	OJ000118_23.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	24268	End	25039
GI	none	Score	401
Exons	24268..24441, 24269..24754, 24269..24697, 24463..24723, 24788..25039, 24842..25024, 24895..25038		

Seq. No.	49707	Seq. ID	OJ000118_23.0419.C13
Gene No.	105680	Strand	+
Start	172	End	412
Name	OJ000118_23.0419.C13.o1.gs	Method	GENSCAN
Start	172	End	412
GI	none	Score	.68
Exons	172..412		

Seq. No.	49707	Seq. ID	OJ000118_23.0419.C13
Gene No.	105681	Strand	-
Start	970	End	1562
Name	OJ000118_23.0419.C13.o1.np	Method	AAT/NAP
Start	970	End	1562
GI	6069646	Score	95
Exons	970..1046, 1362..1562		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49707	Seq. ID	OJ000118_23.0419.C13
Gene No.	105681	Strand	-
Start	970	End	1562
Name	OJ000118_23.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	972	End	1362
GI	none	Score	71
Exons	972..1043, 1018..1146, 1221..1361, 1225..1362		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105682	Strand	+

Start	1	End	784
Name	OJ000118_23.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	784
GI	6729489	Score	454
Exons	1..545, 747..784		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105682	Strand	+
Start	1	End	784
Name	OJ000118_23.0419.C14.o1.gs	Method	GENSCAN
Start	84	End	698
GI	none	Score	.76
Exons	84..698		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105683	Strand	-
Start	651	End	784
Name	OJ000118_23.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	2	End	404
GI	none	Score	305
Exons	2..142, 3..287, 161..280, 327..404		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105683	Strand	-
Start	651	End	784
Name	OJ000118_23.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	2	End	515
GI	none	Score	446
Exons	2..493, 3..515		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105683	Strand	-
Start	651	End	784
Name	OJ000118_23.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	515
GI	none	Score	331
Exons	2..286, 3..305, 327..515, 327..392		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105683	Strand	-
Start	651	End	784
Name	OJ000118_23.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	3	End	299
GI	none	Score	228
Exons	3..299, 29..286		

Seq. No.	49708	Seq. ID	OJ000118_23.0419.C14
Gene No.	105683	Strand	-
Start	651	End	784
Name	OJ000118_23.0419.C14.o1.gp	Method	AAT/GAP
Start	651	End	784
GI	LIB3431-029-P1-N1-C12	Score	268
Exons	651..784		
GI Descrip.	'4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]'		

Seq. No.	49709	Seq. ID	OJ000118_23.0419.C15
Gene No.	105684	Strand	-
Start	1	End	167
Name	OJ000118_23.0419.C15.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	73769_1.R1084	Score	302
Exons	1..167		
GI Descrip.	'3080400/emb|CAA18720.1| 3.0e-09 (AL022603) putative protein [Arabidopsis thaliana] >gi_4455264_emb_CAB36800.1_ (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	49710	Seq. ID	OJ000118_23.0419.C16
Gene No.	105685	Strand	+
Start	89	End	810
Name	OJ000118_23.0419.C16.o1.gs	Method	GENSCAN
Start	89	End	810
GI	none	Score	.76
Exons	89..152, 246..289, 640..810		

Seq. No.	49710	Seq. ID	OJ000118_23.0419.C16
Gene No.	105686	Strand	-
Start	1	End	843
Name	OJ000118_23.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	843
GI	5922623	Score	64
Exons	1..58, 739..843		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	49711	Seq. ID	OJ000118_23.0419.C17
Gene No.	105687	Strand	+
Start	1562	End	1646
Name	OJ000118_23.0419.C17.o1.np	Method	AAT/NAP
Start	1562	End	1646
GI	6721547	Score	80
Exons	1562..1646		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	49711	Seq. ID	OJ000118_23.0419.C17
Gene No.	105688	Strand	-
Start	1559	End	3840
Name	OJ000118_23.0419.C17.o1.gs	Method	GENSCAN
Start	1559	End	3840
GI	none	Score	.62
Exons	1559..1639, 3819..3840		

Seq. No.	49712	Seq. ID	OJ000118_23.0419.C20
Gene No.	105689	Strand	+
Start	142	End	802
Name	OJ000118_23.0419.C20.o1.gs	Method	GENSCAN
Start	142	End	802
GI	none	Score	.43
Exons	142..299, 679..802		

Seq. No.	49712	Seq. ID	OJ000118_23.0419.C20

Gene No.	105690	Strand	-
Start	1	End	1633
Name	OJ000118_23.0419.C20.o1.np	Method	AAT/NAP
Start	1	End	1633
GI	7109232	Score	477
Exons	1..184, 313..357, 445..538, 635..697, 1293..1416, 1571..1633		
GI Descrip.	(AF225922) secretory carrier membrane protein [Oryza sativa]		

Seq. No.	49712	Seq. ID	OJ000118_23.0419.C20
Gene No.	105690	Strand	-
Start	1	End	1633
Name	OJ000118_23.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	116	End	1416
GI	none	Score	75
Exons	116..199, 117..179, 119..184, 310..336, 317..346, 318..359, 337..360, 430..549, 444..539, 445..540, 604..696, 619..699, 630..698, 1272..1358, 1291..1374, 1293..1400, 1310..1393, 1368..1415, 1375..1416		

Seq. No.	49712	Seq. ID	OJ000118_23.0419.C20
Gene No.	105690	Strand	-
Start	1	End	1633
Name	OJ000118_23.0419.C20.o1.gp	Method	AAT/GAP
Start	117	End	1341
GI	75825_1.R1084	Score	532
Exons	117..184, 313..357, 445..538, 635..697, 1293..1341		
GI Descrip.	'4454464/gb|AAD20911| 4.0e-75 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49712	Seq. ID	OJ000118_23.0419.C20
Gene No.	105690	Strand	-
Start	1	End	1633
Name	OJ000118_23.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	119	End	1422
GI	none	Score	62
Exons	119..199, 120..173, 310..336, 313..396, 444..539, 463..549, 630..698, 634..699, 1291..1374, 1310..1393, 1374..1415, 1375..1422		

Seq. No.	49712	Seq. ID	OJ000118_23.0419.C20
Gene No.	105690	Strand	-
Start	1	End	1633
Name	OJ000118_23.0419.C20.o1.tc	Method	TBLASTX:Cress
Start	319	End	1449
GI	none	Score	34
Exons	319..336, 320..337, 444..500, 445..498, 495..539, 496..549, 630..704, 634..699, 1291..1374, 1316..1393, 1368..1415, 1375..1449		

Seq. No.	49713	Seq. ID	OJ000118_23.0419.C21
Gene No.	105691	Strand	-
Start	457	End	1906
Name	OJ000118_23.0419.C21.o1.gs	Method	GENSCAN
Start	457	End	1882
GI	none	Score	.81
Exons	457..546, 857..967, 1826..1882		

Seq. No.	49713	Seq. ID	OJ000118_23.0419.C21
Gene No.	105691	Strand	-
Start	457	End	1906
Name	OJ000118_23.0419.C21.o1.gp	Method	AAT/GAP
Start	480	End	1906
GI	286756	Score	443
Exons	480..546, 857..967, 1826..1906		
GI Descrip.	2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]		

Seq. No.	49713	Seq. ID	OJ000118_23.0419.C21
Gene No.	105691	Strand	-
Start	457	End	1906
Name	OJ000118_23.0419.C21.o1.np	Method	AAT/NAP
Start	484	End	1882
GI	7109232	Score	317
Exons	484..546, 857..967, 1826..1882		
GI Descrip.	(AF225922) secretory carrier membrane protein [Oryza sativa]		

Seq. No.	49714	Seq. ID	OJ000118_23.0419.C22
Gene No.	105692	Strand	+
Start	748	End	1016
Name	OJ000118_23.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	746	End	959
GI	none	Score	236
Exons	746..958, 747..959, 747..959		

Seq. No.	49714	Seq. ID	OJ000118_23.0419.C22
Gene No.	105692	Strand	+
Start	748	End	1016
Name	OJ000118_23.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	746	End	889
GI	none	Score	182
Exons	746..889, 747..884		

Seq. No.	49714	Seq. ID	OJ000118_23.0419.C22
Gene No.	105692	Strand	+
Start	748	End	1016
Name	OJ000118_23.0419.C22.o1.gp	Method	AAT/GAP
Start	748	End	944
GI	46944_1.R1084	Score	359
Exons	748..944		
GI Descrip.	'5302775/emb|CAB46053.1| 4.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49714	Seq. ID	OJ000118_23.0419.C22
Gene No.	105692	Strand	+
Start	748	End	1016
Name	OJ000118_23.0419.C22.o1.gs	Method	GENSCAN
Start	748	End	959
GI	none	Score	.8
Exons	748..959		

Seq. No.	49714	Seq. ID	OJ000118_23.0419.C22
Gene No.	105692	Strand	+
Start	748	End	1016
Name	OJ000118_23.0419.C22.o1.np	Method	AAT/NAP

Start	750	End	1016
GI	5302775	Score	141
Exons	750..1016		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268241|emb|CAB78537.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49715	Seq. ID	OJ000118_23.0419.C23
Gene No.	105693	Strand	-
Start	1	End	2458
Name	OJ000118_23.0419.C23.o1.gp	Method	AAT/GAP
Start	1	End	514
GI	3653_1.R1084	Score	942
Exons	1..514		
GI Descrip.	'6016874/dbj|BAA85217.1| 3.0e-17 (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]'		

Seq. No.	49715	Seq. ID	OJ000118_23.0419.C23
Gene No.	105693	Strand	-
Start	1	End	2458
Name	OJ000118_23.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	2458
GI	6016874	Score	158
Exons	1..54, 205..339, 2430..2458		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	49716	Seq. ID	OJ000118_23.0419.C28
Gene No.	105694	Strand	-
Start	1	End	1478
Name	OJ000118_23.0419.C28.o1.gp	Method	AAT/GAP
Start	1	End	433
GI	3762949	Score	808
Exons	1..433		

Seq. No.	49716	Seq. ID	OJ000118_23.0419.C28
Gene No.	105694	Strand	-
Start	1	End	1478
Name	OJ000118_23.0419.C28.o1.gs	Method	GENSCAN
Start	57	End	1478
GI	none	Score	.43
Exons	57..916, 918..1067, 1161..1267, 1367..1423, 1444..1478		

Seq. No.	49716	Seq. ID	OJ000118_23.0419.C28
Gene No.	105694	Strand	-
Start	1	End	1478
Name	OJ000118_23.0419.C28.o2.gp	Method	AAT/GAP
Start	743	End	1060
GI	2442658	Score	545
Exons	743..1060		

Seq. No.	49717	Seq. ID	OJ000118_23.0419.C30
Gene No.	105695	Strand	-
Start	1	End	1255

Name	OJ000118_23.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	1228
GI	5702198	Score	1130
Exons	1..1228		
GI Descrip.	(AF107294) rust resistance protein RP1-D homolog [Zea mays]		

Seq. No.	49717	Seq. ID	OJ000118_23.0419.C30
Gene No.	105695	Strand	-
Start	1	End	1255
Name	OJ000118_23.0419.C30.o1.gs	Method	GENSCAN
Start	20	End	1135
GI	none	Score	.7
Exons	20..1135		

Seq. No.	49717	Seq. ID	OJ000118_23.0419.C30
Gene No.	105695	Strand	-
Start	1	End	1255
Name	OJ000118_23.0419.C30.o2.tm	Method	TBLASTX:Maize
Start	447	End	714
GI	none	Score	135
Exons	447..590, 449..589, 450..590, 649..690, 649..714		

Seq. No.	49717	Seq. ID	OJ000118_23.0419.C30
Gene No.	105695	Strand	-
Start	1	End	1255
Name	OJ000118_23.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	717	End	1255
GI	none	Score	48
Exons	717..899, 729..905, 905..1255, 959..1186		

Seq. No.	49718	Seq. ID	OJ000118_23.0419.C31
Gene No.	105696	Strand	+
Start	56	End	2136
Name	OJ000118_23.0419.C31.o1.gs	Method	GENSCAN
Start	56	End	2136
GI	none	Score	.7
Exons	56..120, 1589..1932, 1937..2136		

Seq. No.	49719	Seq. ID	OJ000118_23.0419.C32
Gene No.	105697	Strand	-
Start	227	End	410
Name	OJ000118_23.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	202	End	410
GI	none	Score	59
Exons	202..276, 224..277, 227..409, 228..410		

Seq. No.	49719	Seq. ID	OJ000118_23.0419.C32
Gene No.	105697	Strand	-
Start	227	End	410
Name	OJ000118_23.0419.C32.o1.ts	Method	TBLASTX:Soybean
Start	225	End	403
GI	none	Score	116
Exons	225..353, 233..403		

Seq. No.	49719	Seq. ID	OJ000118_23.0419.C32
Gene No.	105697	Strand	-
Start	227	End	410

Name	OJ000118_23.0419.C32.o1.gs	Method	GENSCAN
Start	227	End	401
GI	none	Score	.93
Exons	227..401		

Seq. No.	49719	Seq. ID	OJ000118_23.0419.C32
Gene No.	105697	Strand	-
Start	227	End	410
Name	OJ000118_23.0419.C32.o1.np	Method	AAT/NAP
Start	230	End	409
GI	7486204	Score	213
Exons	230..409		
GI Descrip.	hypothetical protein F26K10.70 - Arabidopsis thaliana gi|7269673|emb|CAB79621.1| (AL161572) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49720	Seq. ID	OJ000118_23.0419.C34
Gene No.	105698	Strand	-
Start	1	End	770
Name	OJ000118_23.0419.C34.o1.gp	Method	AAT/GAP
Start	1	End	770
GI	uC-osf1M202039e12b1	Score	214
Exons	1..98, 713..770		
GI Descrip.	'3169178/gb|AAC17821.1| 2.0e-09 (AC004401) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49721	Seq. ID	OJ000118_23.0419.C38
Gene No.	105699	Strand	+
Start	131	End	351
Name	OJ000118_23.0419.C38.o1.gs	Method	GENSCAN
Start	131	End	351
GI	none	Score	.78
Exons	131..214, 220..351		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	3779
GI	2443881	Score	184
Exons	1..151, 218..417, 3752..3779		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o2.np	Method	AAT/NAP
Start	1	End	4598
GI	2443881	Score	177
Exons	1..151, 218..368, 4569..4598		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	5	End	774

GI	none	Score	190
Exons	5..148, 6..149, 7..156, 8..172, 212..385, 217..387, 505..765, 509..760, 513..767, 597..764, 619..774		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	8	End	151
GI	none	Score	205
Exons	8..151, 13..144		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o1.gs	Method	GENSCAN
Start	50	End	4026
GI	none	Score	.88
Exons	50..151, 218..389, 506..1189, 1311..1340, 1999..2183, 2794..2868, 2960..3072, 3362..3478, 3957..4026		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o2.tm	Method	TBLASTX:Maize
Start	777	End	3480
GI	none	Score	333
Exons	777..1064, 778..1164, 917..1072, 1081..1197, 1126..1188, 1285..1338, 1289..1339, 1420..1533, 1421..1540, 1422..1541, 2008..2181, 2054..2182, 2057..2182, 2058..2186, 2061..2186, 2761..2871, 2792..2869, 2793..2870, 2960..3073, 2960..3073, 2962..3081, 3358..3414, 3360..3479, 3360..3479, 3361..3480		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o1.gp	Method	AAT/GAP
Start	1098	End	2993
GI	40306_1.R1084	Score	899
Exons	1098..1189, 1284..1340, 1423..1559, 2058..2183, 2794..2868, 2960..2993		
GI Descrip.	'2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39
Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o1.tw	Method	TBLASTX:Wheat
Start	1420	End	3768
GI	none	Score	172
Exons	1420..1542, 1422..1559, 1422..1553, 2008..2181, 2009..2182, 2057..2182, 2058..2186, 2058..2186, 2788..2871, 2791..2868, 2793..2870, 2954..3073, 2960..3094, 2962..3081, 2988..3083, 3353..3478, 3360..3479, 3361..3489, 3696..3767, 3699..3767, 3724..3768		

Seq. No.	49722	Seq. ID	OJ000118_23.0419.C39

Gene No.	105700	Strand	+
Start	1	End	4598
Name	OJ000118_23.0419.C39.o2.gp	Method	AAT/GAP
Start	3698	End	4268
GI	2280902	Score	712
Exons	3698..3770, 3957..4268		

Seq. No.	49723	Seq. ID	OJ000118_23.0419.C42
Gene No.	105701	Strand	-
Start	1	End	1692
Name	OJ000118_23.0419.C42.o1.np	Method	AAT/NAP
Start	1	End	1692
GI	5441880	Score	444
Exons	1..36, 595..933, 1042..1181, 1665..1692		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	49723	Seq. ID	OJ000118_23.0419.C42
Gene No.	105701	Strand	-
Start	1	End	1692
Name	OJ000118_23.0419.C42.o1.gs	Method	GENSCAN
Start	101	End	1193
GI	none	Score	.8
Exons	101..223, 356..514, 600..754, 812..966, 1042..1193		

Seq. No.	49723	Seq. ID	OJ000118_23.0419.C42
Gene No.	105701	Strand	-
Start	1	End	1692
Name	OJ000118_23.0419.C42.o1.tw	Method	TBLASTX:Wheat
Start	446	End	875
GI	none	Score	108
Exons	446..520, 693..812, 694..813, 811..861, 822..875		

Seq. No.	49724	Seq. ID	OJ000118_23.0419.C43
Gene No.	105702	Strand	+
Start	1899	End	2063
Name	OJ000118_23.0419.C43.o3.np	Method	AAT/NAP
Start	1899	End	2063
GI	7228456	Score	264
Exons	1899..2063		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49724	Seq. ID	OJ000118_23.0419.C43
Gene No.	105703	Strand	-
Start	1	End	2063
Name	OJ000118_23.0419.C43.o1.np	Method	AAT/NAP
Start	1	End	2063
GI	7228442	Score	285
Exons	1..245, 1931..2063		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	49724	Seq. ID	OJ000118_23.0419.C43
Gene No.	105703	Strand	-
Start	1	End	2063

Name	OJ000118_23.0419.C43.o1.tw	Method	TBLASTX:Wheat
Start	27	End	201
GI	none	Score	66
Exons	27..200, 38..178, 133..201		

Seq. No.	49724	Seq. ID	OJ000118_23.0419.C43
Gene No.	105703	Strand	-
Start	1	End	2063
Name	OJ000118_23.0419.C43.o1.gs	Method	GENSCAN
Start	176	End	1990
GI	none	Score	.66
Exons	176..245, 270..455, 857..933, 991..1033, 1107..1188, 1358..1483, 1854..1990		

Seq. No.	49724	Seq. ID	OJ000118_23.0419.C43
Gene No.	105703	Strand	-
Start	1	End	2063
Name	OJ000118_23.0419.C43.o2.np	Method	AAT/NAP
Start	387	End	2063
GI	5042454	Score	263
Exons	387..440, 669..844, 1519..1644, 1862..2063		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49725	Seq. ID	OJ000118_23.0419.C46
Gene No.	105704	Strand	+
Start	937	End	1009
Name	OJ000118_23.0419.C46.o1.gs	Method	GENSCAN
Start	937	End	1009
GI	none	Score	.89
Exons	937..1009		

Seq. No.	49726	Seq. ID	OJ000118_23.0419.C47
Gene No.	105705	Strand	+
Start	728	End	1504
Name	OJ000118_23.0419.C47.o1.gs	Method	GENSCAN
Start	728	End	1422
GI	none	Score	.94
Exons	728..1422		

Seq. No.	49726	Seq. ID	OJ000118_23.0419.C47
Gene No.	105705	Strand	+
Start	728	End	1504
Name	OJ000118_23.0419.C47.o1.np	Method	AAT/NAP
Start	827	End	1504
GI	7442135	Score	261
Exons	827..1504		
GI Descrip.	agglutinin (WBA I) - winged bean (fragment)		

Seq. No.	49726	Seq. ID	OJ000118_23.0419.C47
Gene No.	105705	Strand	+
Start	728	End	1504
Name	OJ000118_23.0419.C47.o1.tm	Method	TBLASTX:Maize
Start	839	End	988
GI	none	Score	197
Exons	839..988, 841..987		

Seq. No.	49727	Seq. ID	OJ000118_23.0419.C52

Gene No.	105706	Strand	+
Start	46	End	1523
Name	OJ000118_23.0419.C52.o1.np	Method	AAT/NAP
Start	46	End	1471
GI	5852084	Score	84
Exons	46..96, 1361..1471		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	49727	Seq. ID	OJ000118_23.0419.C52
Gene No.	105706	Strand	+
Start	46	End	1523
Name	OJ000118_23.0419.C52.o1.gs	Method	GENSCAN
Start	469	End	1523
GI	none	Score	.63
Exons	469..657, 1388..1523		

Seq. No.	49728	Seq. ID	OJ000118_23.0419.C53
Gene No.	105707	Strand	-
Start	1	End	288
Name	OJ000118_23.0419.C53.o1.gp	Method	AAT/GAP
Start	1	End	254
GI	68586_1.R1084	Score	470
Exons	1..254		
GI Descrip.	'3080400/emb|CAA18720.1| 2.0e-25 (AL022603) putative protein [Arabidopsis thaliana] >gi_4455264_emb_CAB36800.1_ (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	49728	Seq. ID	OJ000118_23.0419.C53
Gene No.	105707	Strand	-
Start	1	End	288
Name	OJ000118_23.0419.C53.o1.np	Method	AAT/NAP
Start	1	End	131
GI	7485715	Score	162
Exons	1..131		
GI Descrip.	hypothetical protein F18E5.180 - Arabidopsis thaliana gi|3080400|emb|CAA18720.1| (AL022603) putative protein [Arabidopsis thaliana] gi|4455264|emb|CAB36800.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268953|emb|CAB81263.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	49728	Seq. ID	OJ000118_23.0419.C53
Gene No.	105707	Strand	-
Start	1	End	288
Name	OJ000118_23.0419.C53.o1.tm	Method	TBLASTX:Maize
Start	3	End	288
GI	none	Score	85
Exons	3..74, 3..146, 38..91, 49..144, 204..281, 205..288		

Seq. No.	49728	Seq. ID	OJ000118_23.0419.C53
Gene No.	105707	Strand	-
Start	1	End	288
Name	OJ000118_23.0419.C53.o1.gs	Method	GENSCAN
Start	15	End	131
GI	none	Score	.85
Exons	15..131		

Seq. No.	49729	Seq. ID	OJ000118_23.0419.C56
Gene No.	105708	Strand	+
Start	250	End	534
Name	OJ000118_23.0419.C56.o1.gp	Method	AAT/GAP
Start	250	End	534
GI	75825_1.R1084	Score	470
Exons	250..534		
GI Descrip.	'4454464/gb|AAD20911| 4.0e-75 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49729	Seq. ID	OJ000118_23.0419.C56
Gene No.	105709	Strand	+
Start	678	End	732
Name	OJ000118_23.0419.C56.o1.gs	Method	GENSCAN
Start	678	End	732
GI	none	Score	.79
Exons	678..732		

Seq. No.	49729	Seq. ID	OJ000118_23.0419.C56
Gene No.	105710	Strand	-
Start	425	End	763
Name	OJ000118_23.0419.C56.o1.np	Method	AAT/NAP
Start	425	End	763
GI	7109232	Score	123
Exons	425..508, 665..763		
GI Descrip.	(AF225922) secretory carrier membrane protein [Oryza sativa]		

Seq. No.	49730	Seq. ID	OJ000118_23.0419.C58
Gene No.	105711	Strand	-
Start	164	End	1180
Name	OJ000118_23.0419.C58.o1.gs	Method	GENSCAN
Start	164	End	1180
GI	none	Score	.82
Exons	164..321, 666..854, 1027..1180		

Seq. No.	49731	Seq. ID	OJ000118_23.0419.C61
Gene No.	105712	Strand	-
Start	1	End	2185
Name	OJ000118_23.0419.C61.o1.np	Method	AAT/NAP
Start	1	End	2185
GI	6907089	Score	3110
Exons	1..1609, 1705..2185		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49731	Seq. ID	OJ000118_23.0419.C61
Gene No.	105712	Strand	-
Start	1	End	2185
Name	OJ000118_23.0419.C61.o1.gs	Method	GENSCAN
Start	3	End	2103
GI	none	Score	.95
Exons	3..95, 136..933, 994..1609, 1705..1873, 2018..2103		

Seq. No.	49732	Seq. ID	OJ000118_23.0419.C62
Gene No.	105713	Strand	-
Start	1	End	1141
Name	OJ000118_23.0419.C62.o1.np	Method	AAT/NAP
Start	1	End	1141

GI	2213588	Score	212
Exons	1..87, 273..448, 1084..1141		
GI Descrip.	(AC000348) T7N9.8 [Arabidopsis thaliana]		

Seq. No.	49733	Seq. ID	OJ000118_23.0419.C63
Gene No.	105714	Strand	+
Start	125	End	421
Name	OJ000118_23.0419.C63.o1.gs	Method	GENSCAN
Start	125	End	421
GI	none	Score	.9
Exons	125..158, 236..421		

Seq. No.	49733	Seq. ID	OJ000118_23.0419.C63
Gene No.	105715	Strand	-
Start	802	End	1105
Name	OJ000118_23.0419.C63.o2.gs	Method	GENSCAN
Start	802	End	1105
GI	none	Score	.61
Exons	802..911, 916..1105		

Seq. No.	49734	Seq. ID	OJ000118_23.0419.C64
Gene No.	105716	Strand	+
Start	1	End	1149
Name	OJ000118_23.0419.C64.o1.np	Method	AAT/NAP
Start	1	End	1149
GI	1931638	Score	342
Exons	1..354, 836..1149		
GI Descrip.	(U95973) transcription factor RUSH-1alpha isolog [Arabidopsis thaliana]		

Seq. No.	49734	Seq. ID	OJ000118_23.0419.C64
Gene No.	105717	Strand	-
Start	221	End	1136
Name	OJ000118_23.0419.C64.o1.ts	Method	TBLASTX:Soybean
Start	113	End	1008
GI	none	Score	77
Exons	113..175, 113..343, 117..380, 817..1008, 817..909, 825..932		

Seq. No.	49734	Seq. ID	OJ000118_23.0419.C64
Gene No.	105717	Strand	-
Start	221	End	1136
Name	OJ000118_23.0419.C64.o1.tm	Method	TBLASTX:Maize
Start	217	End	1136
GI	none	Score	181
Exons	217..342, 218..343, 219..380, 231..353, 817..1053, 825..1043, 1029..1136, 1048..1098, 1065..1124		

Seq. No.	49734	Seq. ID	OJ000118_23.0419.C64
Gene No.	105717	Strand	-
Start	221	End	1136
Name	OJ000118_23.0419.C64.o1.gs	Method	GENSCAN
Start	221	End	1037
GI	none	Score	.8
Exons	221..334, 900..1037		

Seq. No.	49735	Seq. ID	OJ000118_23.0419.C67
Gene No.	105718	Strand	+

Start	1	End	2325
Name	OJ000118_23.0419.C67.o1.np	Method	AAT/NAP
Start	1	End	2325
GI	544262	Score	168
Exons	1..422, 2272..2325		
GI Descrip.	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP) gi|322761|pir||JQ1696 pistil extensin-like protein precursor (clone pMG15) - common tobacco gi|19929|emb|CAA78397| (Z14019) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	49735	Seq. ID	OJ000118_23.0419.C67
Gene No.	105718	Strand	+
Start	1	End	2325
Name	OJ000118_23.0419.C67.o1.gs	Method	GENSCAN
Start	55	End	2214
GI	none	Score	.74
Exons	55..574, 1175..2015, 2099..2214		

Seq. No.	49736	Seq. ID	OJ000118_23.0419.C71
Gene No.	105719	Strand	+
Start	1	End	499
Name	OJ000118_23.0419.C71.o1.np	Method	AAT/NAP
Start	1	End	499
GI	4680203	Score	189
Exons	1..499		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	49736	Seq. ID	OJ000118_23.0419.C71
Gene No.	105719	Strand	+
Start	1	End	499
Name	OJ000118_23.0419.C71.o1.gs	Method	GENSCAN
Start	15	End	404
GI	none	Score	.68
Exons	15..404		

Seq. No.	49736	Seq. ID	OJ000118_23.0419.C71
Gene No.	105719	Strand	+
Start	1	End	499
Name	OJ000118_23.0419.C71.o1.tw	Method	TBLASTX:Wheat
Start	63	End	359
GI	none	Score	115
Exons	63..167, 93..149, 180..284, 185..277, 291..359		

Seq. No.	49737	Seq. ID	OJ000118_23.0419.C74
Gene No.	105720	Strand	+
Start	713	End	1026
Name	OJ000118_23.0419.C74.o1.gp	Method	AAT/GAP
Start	713	End	1026
GI	none	Score	438
Exons	713..1026		

Seq. No.	49737	Seq. ID	OJ000118_23.0419.C74
Gene No.	105721	Strand	-
Start	533	End	985
Name	OJ000118_23.0419.C74.o1.gs	Method	GENSCAN
Start	533	End	985
GI	none	Score	.42

Exons	533..655, 881..985		
Seq. No.	49738	Seq. ID	OJ000118_23.0419.C75
Gene No.	105722	Strand	+
Start	1	End	717
Name	OJ000118_23.0419.C75.o1.np	Method	AAT/NAP
Start	1	End	717
GI	2335108	Score	112
Exons	1..27, 534..717		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		
Seq. No.	49738	Seq. ID	OJ000118_23.0419.C75
Gene No.	105722	Strand	+
Start	1	End	717
Name	OJ000118_23.0419.C75.o1.gs	Method	GENSCAN
Start	581	End	705
GI	none	Score	.85
Exons	581..705		
Seq. No.	49739	Seq. ID	OJ000118_23.0419.C79
Gene No.	105723	Strand	+
Start	4	End	378
Name	OJ000118_23.0419.C79.o1.gs	Method	GENSCAN
Start	4	End	378
GI	none	Score	.54
Exons	4..105, 211..378		
Seq. No.	49739	Seq. ID	OJ000118_23.0419.C79
Gene No.	105724	Strand	-
Start	663	End	1157
Name	OJ000118_23.0419.C79.o2.gs	Method	GENSCAN
Start	663	End	1157
GI	none	Score	.96
Exons	663..905, 992..1064, 1138..1157		
Seq. No.	49740	Seq. ID	OJ000118_23.0419.C80
Gene No.	105725	Strand	-
Start	1867	End	2445
Name	OJ000118_23.0419.C80.o1.gs	Method	GENSCAN
Start	1867	End	2445
GI	none	Score	.56
Exons	1867..2050, 2233..2348, 2386..2445		
Seq. No.	49741	Seq. ID	OJ000118_23.0419.C89
Gene No.	105726	Strand	+
Start	1	End	719
Name	OJ000118_23.0419.C89.o2.np	Method	AAT/NAP
Start	1	End	719
GI	6706417	Score	127
Exons	1..22, 514..719		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		
Seq. No.	49741	Seq. ID	OJ000118_23.0419.C89
Gene No.	105726	Strand	+
Start	1	End	719
Name	OJ000118_23.0419.C89.o1.tm	Method	TBLASTX:Maize
Start	265	End	719

GI	none	Score	184
Exons	265..399, 269..406, 490..714, 519..719, 575..718		

Seq. No.	49741	Seq. ID	OJ000118_23.0419.C89
Gene No.	105726	Strand	+
Start	1	End	719
Name	OJ000118_23.0419.C89.o1.gs	Method	GENSCAN
Start	272	End	614
GI	none	Score	.82
Exons	272..394, 522..614		

Seq. No.	49741	Seq. ID	OJ000118_23.0419.C89
Gene No.	105726	Strand	+
Start	1	End	719
Name	OJ000118_23.0419.C89.o1.np	Method	AAT/NAP
Start	272	End	719
GI	2335108	Score	211
Exons	272..405, 533..719		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	49742	Seq. ID	OJ000118_23.0419.C91
Gene No.	105727	Strand	-
Start	1	End	686
Name	OJ000118_23.0419.C91.o1.np	Method	AAT/NAP
Start	1	End	686
GI	7486204	Score	190
Exons	1..30, 471..686		
GI Descrip.	hypothetical protein F26K10.70 - Arabidopsis thaliana gi|7269673|emb|CAB79621.1| (AL161572) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49742	Seq. ID	OJ000118_23.0419.C91
Gene No.	105727	Strand	-
Start	1	End	686
Name	OJ000118_23.0419.C91.o1.gs	Method	GENSCAN
Start	44	End	682
GI	none	Score	.88
Exons	44..82, 475..682		

Seq. No.	49742	Seq. ID	OJ000118_23.0419.C91
Gene No.	105727	Strand	-
Start	1	End	686
Name	OJ000118_23.0419.C91.o1.ts	Method	TBLASTX:Soybean
Start	461	End	655
GI	none	Score	82
Exons	461..649, 477..596, 611..655, 631..654		

Seq. No.	49742	Seq. ID	OJ000118_23.0419.C91
Gene No.	105727	Strand	-
Start	1	End	686
Name	OJ000118_23.0419.C91.o1.tc	Method	TBLASTX:Cress
Start	473	End	649
GI	none	Score	235
Exons	473..649		

Seq. No.	49743	Seq. ID	OJ000118_23.0419.C110
Gene No.	105728	Strand	-

Start	300	End	549
Name	OJ000118_23.0419.C110.o1.gs	Method	GENSCAN
Start	300	End	549
GI	none	Score	.88
Exons	300..549		

Seq. No.	49744	Seq. ID	OJ000328_14.0418.C1
Gene No.	105729	Strand	-
Start	1	End	5217
Name	OJ000328_14.0418.C1.o1.np	Method	AAT/NAP
Start	1	End	792
GI	5080773	Score	87
Exons	1..236, 380..442, 522..792		
GI Descrip.	(AC007576) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49744	Seq. ID	OJ000328_14.0418.C1
Gene No.	105729	Strand	-
Start	1	End	5217
Name	OJ000328_14.0418.C1.o1.gs	Method	GENSCAN
Start	132	End	792
GI	none	Score	.55
Exons	132..266, 359..442, 630..792		

Seq. No.	49744	Seq. ID	OJ000328_14.0418.C1
Gene No.	105729	Strand	-
Start	1	End	5217
Name	OJ000328_14.0418.C1.o1.gp	Method	AAT/GAP
Start	554	End	5217
GI	none	Score	957
Exons	554..901, 5055..5217		

Seq. No.	49744	Seq. ID	OJ000328_14.0418.C1
Gene No.	105730	Strand	-
Start	5810	End	5868
Name	OJ000328_14.0418.C1.o2.gs	Method	GENSCAN
Start	5810	End	5868
GI	none	Score	.9
Exons	5810..5868		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105731	Strand	+
Start	976	End	2390
Name	OJ000328_14.0418.C2.o1.gs	Method	GENSCAN
Start	976	End	2390
GI	none	Score	.43
Exons	976..1089, 1830..2145, 2296..2390		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105732	Strand	+
Start	2369	End	2585
Name	OJ000328_14.0418.C2.o1.gp	Method	AAT/GAP
Start	2369	End	2585
GI	3759000	Score	352
Exons	2369..2585		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105733	Strand	+

Start	5315	End	11657
Name	OJ000328_14.0418.C2.o3.gs	Method	GENSCAN
Start	5315	End	11657
GI	none	Score	.45
Exons	5315..5434, 5478..5553, 5621..6166, 6349..7232, 7493..7745, 7931..8055, 8113..8902, 9774..9878, 10080..10239, 11054..11298, 11395..11657		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105733	Strand	+
Start	5315	End	11657
Name	OJ000328_14.0418.C2.o2.gp	Method	AAT/GAP
Start	9272	End	9564
GI	61605_3.R1084	Score	457
Exons	9272..9564		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105734	Strand	+
Start	12682	End	19867
Name	OJ000328_14.0418.C2.o4.gs	Method	GENSCAN
Start	12682	End	19867
GI	none	Score	.79
Exons	12682..12801, 17845..18003, 18432..18578, 19133..19424, 19644..19867		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105735	Strand	+
Start	24578	End	25261
Name	OJ000328_14.0418.C2.o6.gs	Method	GENSCAN
Start	24578	End	25261
GI	none	Score	.72
Exons	24578..24916, 25012..25261		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105736	Strand	-
Start	10095	End	10524
Name	OJ000328_14.0418.C2.o3.gp	Method	AAT/GAP
Start	10095	End	10524
GI	2428185	Score	805
Exons	10095..10524		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105737	Strand	-
Start	10542	End	11276
Name	OJ000328_14.0418.C2.o4.gp	Method	AAT/GAP
Start	10542	End	11276
GI	101153_1.R1084	Score	584
Exons	10542..10769, 11085..11276		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105738	Strand	-

Start	13416	End	14382
Name	OJ000328_14.0418.C2.o5.gp	Method	AAT/GAP
Start	13416	End	14382
GI	2442941	Score	537
Exons	13416..13566, 13642..13710, 13784..13854, 14307..14382		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o2.tm	Method	TBLASTX:Maize
Start	3240	End	3596
GI	none	Score	208
Exons	3240..3596, 3241..3591		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o1.tw	Method	TBLASTX:Wheat
Start	3270	End	3727
GI	none	Score	219
Exons	3270..3665, 3271..3666, 3650..3727		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o2.tw	Method	TBLASTX:Wheat
Start	6585	End	6937
GI	none	Score	165
Exons	6585..6731, 6587..6724, 6693..6935, 6711..6935, 6716..6937		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o6.tm	Method	TBLASTX:Maize
Start	6936	End	7469
GI	none	Score	47
Exons	6936..6977, 7008..7220, 7010..7192, 7296..7469, 7304..7456		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o4.tw	Method	TBLASTX:Wheat
Start	7158	End	7567
GI	none	Score	278
Exons	7158..7499, 7301..7471, 7463..7567, 7501..7566		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o4.tm	Method	TBLASTX:Maize
Start	7574	End	7759
GI	none	Score	226
Exons	7574..7759, 7585..7758		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253

Name	OJ000328_14.0418.C2.o1.tm	Method	TBLASTX:Maize
Start	7843	End	8778
GI	none	Score	731
Exons	7843..8778, 7866..8126, 8199..8465, 8517..8759		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o3.tw	Method	TBLASTX:Wheat
Start	7890	End	8205
GI	none	Score	313
Exons	7890..8135, 7891..8205		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o7.tw	Method	TBLASTX:Wheat
Start	8206	End	8553
GI	none	Score	118
Exons	8206..8328, 8208..8327, 8328..8480, 8329..8481, 8473..8553		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o2.ts	Method	TBLASTX:Soybean
Start	8407	End	8937
GI	none	Score	57
Exons	8407..8466, 8421..8453, 8536..8763, 8541..8762, 8752..8937		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o6.tw	Method	TBLASTX:Wheat
Start	8668	End	8922
GI	none	Score	229
Exons	8668..8922		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o3.tm	Method	TBLASTX:Maize
Start	8782	End	9123
GI	none	Score	180
Exons	8782..8967, 8968..9123		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o5.tw	Method	TBLASTX:Wheat
Start	12220	End	12483
GI	none	Score	275
Exons	12220..12483		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o7.tm	Method	TBLASTX:Maize

Start	12318	End	12525
GI	none	Score	188
Exons	12318..12488, 12319..12525		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o8.tm	Method	TBLASTX:Maize
Start	12565	End	12822
GI	none	Score	184
Exons	12565..12822, 12600..12707		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o1.ts	Method	TBLASTX:Soybean
Start	15958	End	21661
GI	none	Score	68
Exons	15958..15996, 16653..16838, 16655..16744, 16656..16841, 16657..16854, 16657..16839, 16925..16987, 16927..16986, 17063..17164, 17064..17162, 17367..17423, 21133..21228, 21149..21241, 21325..21420, 21326..21415, 21581..21661, 21585..21650		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o1.tc	Method	TBLASTX:Cress
Start	16764	End	17423
GI	none	Score	103
Exons	16764..16838, 16765..16839, 16925..16987, 16936..16986, 17061..17186, 17063..17260, 17367..17423		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o6.gp	Method	AAT/GAP
Start	17193	End	23327
GI	none	Score	737
Exons	17193..17255, 17363..17423, 21139..21225, 21328..21412, 21576..21658, 23267..23327		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105739	Strand	-
Start	17193	End	24253
Name	OJ000328_14.0418.C2.o5.gs	Method	GENSCAN
Start	21124	End	24253
GI	none	Score	.8
Exons	21124..21225, 21328..21412, 21576..21658, 23267..23469, 24013..24253		

Seq. No.	49745	Seq. ID	OJ000328_14.0418.C2
Gene No.	105740	Strand	
Start	24620	End	24901
Name	OJ000328_14.0418.C2.o5.tm	Method	TBLASTX:Maize
Start	24620	End	24901
GI	none	Score	223

Exons	24620..24901, 24622..24756		
Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105741	Strand	+
Start	1	End	9423
Name	OJ000328_14.0418.C3.o1.np	Method	AAT/NAP
Start	1	End	1227
GI	4585884	Score	517
Exons	1..663, 746..1080, 1108..1227		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105741	Strand	+
Start	1	End	9423
Name	OJ000328_14.0418.C3.o1.gs	Method	GENSCAN
Start	116	End	4316
GI	none	Score	.53
Exons	116..163, 435..663, 746..919, 4165..4316		
Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105741	Strand	+
Start	1	End	9423
Name	OJ000328_14.0418.C3.o2.np	Method	AAT/NAP
Start	2514	End	4875
GI	5922634	Score	134
Exons	2514..2613, 4858..4875		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105741	Strand	+
Start	1	End	9423
Name	OJ000328_14.0418.C3.o1.gp	Method	AAT/GAP
Start	4225	End	4628
GI	3762952	Score	454
Exons	4225..4299, 4329..4628		
Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105741	Strand	+
Start	1	End	9423
Name	OJ000328_14.0418.C3.o3.np	Method	AAT/NAP
Start	4384	End	8839
GI	7489805	Score	88
Exons	4384..4431, 8613..8839		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		
Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105741	Strand	+
Start	1	End	9423
Name	OJ000328_14.0418.C3.o2.gs	Method	GENSCAN
Start	5105	End	9423
GI	none	Score	.58
Exons	5105..5165, 7044..7260, 7319..7396, 7598..7695, 7793..7940, 8393..8475, 8679..8850, 9285..9423		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105742	Strand	+
Start	11435	End	14707
Name	OJ000328_14.0418.C3.o4.gs	Method	GENSCAN
Start	11435	End	14707
GI	none	Score	.52
Exons	11435..11463, 11507..11636, 11734..12717, 14540..14707		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105743	Strand	-
Start	9767	End	10640
Name	OJ000328_14.0418.C3.o3.gs	Method	GENSCAN
Start	9767	End	10640
GI	none	Score	.64
Exons	9767..10188, 10438..10523, 10540..10640		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o2.tm	Method	TBLASTX:Maize
Start	119	End	614
GI	none	Score	77
Exons	119..292, 363..614		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o1.tw	Method	TBLASTX:Wheat
Start	297	End	694
GI	none	Score	89
Exons	297..377, 315..353, 387..665, 419..670, 434..694		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o1.tm	Method	TBLASTX:Maize
Start	694	End	1101
GI	none	Score	407
Exons	694..846, 739..1101, 740..1069, 750..1100, 898..1101		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o1.ts	Method	TBLASTX:Soybean
Start	735	End	1047
GI	none	Score	140
Exons	735..818, 739..864, 841..1047		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o4.np	Method	AAT/NAP
Start	11085	End	18420
GI	6721516	Score	591
Exons	11085..11354, 13947..14191, 14593..14830, 18393..18420		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o2.gp	Method	AAT/GAP
Start	16567	End	17554
GI	none	Score	1046
Exons	16567..16833, 17086..17180, 17364..17554		

Seq. No.	49746	Seq. ID	OJ000328_14.0418.C3
Gene No.	105744	Strand	-
Start	11085	End	20004
Name	OJ000328_14.0418.C3.o5.gs	Method	GENSCAN
Start	16807	End	20004
GI	none	Score	.57
Exons	16807..16833, 17364..17554, 18607..18738, 19609..20004		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105745	Strand	+
Start	1569	End	6297
Name	OJ000328_14.0418.C4.o1.np	Method	AAT/NAP
Start	1569	End	6093
GI	6587821	Score	1115
Exons	1569..1696, 1931..1986, 2592..2831, 4165..4276, 4363..4537, 5478..5718, 5804..6093		
GI Descrip.	(AC010924) Contains similarity to gb|AF181686 membrane protein TMS1d from Drosophila melanogaster. ESTs gb|R64994, gb|AI994832, gb|Z47674 come from this gene. [Arabidopsis thaliana]		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105745	Strand	+
Start	1569	End	6297
Name	OJ000328_14.0418.C4.o1.gs	Method	GENSCAN
Start	2231	End	6099
GI	none	Score	.77
Exons	2231..2240, 2592..2831, 2929..2982, 4165..4276, 4363..4537, 4913..4946, 5714..6099		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105745	Strand	+
Start	1569	End	6297
Name	OJ000328_14.0418.C4.o1.gp	Method	AAT/GAP
Start	5866	End	6297
GI	LIB3434-015-P1-K1-A11	Score	748
Exons	5866..6297		
GI Descrip.	'3879145/emb|CAB07645.1| 2.0e-13 (Z93386) predicted using Genefinder; Similarity to Human placenta (DIFF33) protein (TR:Q13530); cDNA EST yk198a11.5 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105746	Strand	+
Start	14369	End	22413
Name	OJ000328_14.0418.C4.o3.gs	Method	GENSCAN
Start	14369	End	21994
GI	none	Score	.56
Exons	14369..14394, 14487..14712, 14978..15881, 15970..16955,		

17056..17581, 17626..17879, 18162..18349, 18731..18861,
19499..19550, 20762..21773, 21779..21994

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105746	Strand	+
Start	14369	End	22413
Name	OJ000328_14.0418.C4.o3.np	Method	AAT/NAP
Start	20527	End	22413
GI	6907087	Score	996
Exons	20527..20897, 21078..21773, 22312..22413		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105747	Strand	+
Start	22878	End	23260
Name	OJ000328_14.0418.C4.o3.gp	Method	AAT/GAP
Start	22878	End	23260
GI	uC-osflcyp033a04b1	Score	688
Exons	22878..23260		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105748	Strand	-
Start	6812	End	13170
Name	OJ000328_14.0418.C4.o2.gs	Method	GENSCAN
Start	6812	End	13170
GI	none	Score	.57
Exons	6812..7003, 7053..7209, 7281..7468, 7512..7798, 7800..8016, 8116..8202, 8343..8476, 8685..8711, 9058..9155, 9416..9528, 9651..9713, 11945..12016, 12964..13170		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105748	Strand	-
Start	6812	End	13170
Name	OJ000328_14.0418.C4.o2.np	Method	AAT/NAP
Start	6853	End	7591
GI	5922636	Score	391
Exons	6853..6986, 7281..7591		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105749	Strand	-
Start	13124	End	13429
Name	OJ000328_14.0418.C4.o2.gp	Method	AAT/GAP
Start	13124	End	13429
GI	3766645	Score	556
Exons	13124..13429		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-

Start	22306	End	24587
Name	OJ000328_14.0418.C4.o4.tm	Method	TBLASTX:Maize
Start	483	End	677
GI	none	Score	54
Exons	483..530, 527..676, 531..677		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o2.ts	Method	TBLASTX:Soybean
Start	2433	End	2833
GI	none	Score	36
Exons	2433..2522, 2576..2749, 2593..2775, 2612..2833, 2623..2820		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o1.tm	Method	TBLASTX:Maize
Start	2576	End	6102
GI	none	Score	218
Exons	2576..2842, 2580..2828, 2584..2829, 2584..2853, 2585..2830, 4146..4232, 4152..4277, 4163..4276, 4165..4278, 4361..4522, 4362..4475, 4363..4578, 4363..4539, 5475..5675, 5475..5669, 5476..5718, 5477..5731, 5820..6095, 5826..6101, 5827..6102, 5833..6102		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o2.tc	Method	TBLASTX:Cress
Start	2604	End	2818
GI	none	Score	116
Exons	2604..2759, 2623..2814, 2624..2818		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o2.tw	Method	TBLASTX:Wheat
Start	2746	End	4497
GI	none	Score	100
Exons	2746..2817, 2747..2830, 4152..4277, 4163..4270, 4279..4323, 4361..4483, 4366..4497, 4367..4474		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o1.ts	Method	TBLASTX:Soybean
Start	4160	End	6118
GI	none	Score	152
Exons	4160..4270, 4161..4277, 4361..4531, 4366..4539, 4367..4540, 5477..5722, 5478..5675, 5480..5734, 5551..5730, 5842..6093, 5865..6095, 5882..6106, 5882..6118		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o1.tc	Method	TBLASTX:Cress

Start	4218	End	6095
GI	none	Score	81
Exons	4218..4283, 4220..4282, 4361..4531, 4369..4539, 4370..4471, 5477..5710, 5478..5675, 5480..5692, 5842..6093, 5869..6093, 5871..6095		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o1.tw	Method	TBLASTX:Wheat
Start	5869	End	6094
GI	none	Score	315
Exons	5869..6093, 5871..6089, 5875..6093, 5891..6094		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o5.tm	Method	TBLASTX:Maize
Start	19267	End	19527
GI	none	Score	88
Exons	19267..19527, 19292..19459		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o3.tm	Method	TBLASTX:Maize
Start	19534	End	19776
GI	none	Score	198
Exons	19534..19776		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o4.gs	Method	GENSCAN
Start	22306	End	24456
GI	none	Score	.56
Exons	22306..22412, 22858..23012, 23984..24456		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o4.np	Method	AAT/NAP
Start	22807	End	24587
GI	4680186	Score	238
Exons	22807..23012, 24505..24587		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o5.np	Method	AAT/NAP
Start	23981	End	24587
GI	4836930	Score	341
Exons	23981..24587		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4

Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o3.ts	Method	TBLASTX:Soybean
Start	23989	End	24363
GI	none	Score	55
Exons	23989..24213, 23996..24214, 24220..24363, 24221..24334		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o2.tm	Method	TBLASTX:Maize
Start	24004	End	24366
GI	none	Score	256
Exons	24004..24366, 24005..24274		

Seq. No.	49747	Seq. ID	OJ000328_14.0418.C4
Gene No.	105750	Strand	-
Start	22306	End	24587
Name	OJ000328_14.0418.C4.o3.tw	Method	TBLASTX:Wheat
Start	24136	End	24492
GI	none	Score	251
Exons	24136..24492		

Seq. No.	49748	Seq. ID	OJ000328_17.0419.C4
Gene No.	105751	Strand	-
Start	93	End	382
Name	OJ000328_17.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	219
GI	none	Score	122
Exons	2..130, 2..181, 78..185, 79..219		

Seq. No.	49748	Seq. ID	OJ000328_17.0419.C4
Gene No.	105751	Strand	-
Start	93	End	382
Name	OJ000328_17.0419.C4.o1.gs	Method	GENSCAN
Start	93	End	382
GI	none	Score	.9
Exons	93..218, 281..382		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105752	Strand	+
Start	3209	End	5014
Name	OJ000328_17.0419.C5.o1.gp	Method	AAT/GAP
Start	3104	End	5014
GI	294_3.R1084	Score	1029
Exons	3104..3311, 3488..3683, 4444..4510, 4906..5014		
GI Descrip.	'70654/pir||UQKM 2.0e-37 ubiquitin / ribosomal protein CEP52 - Chlamydomonas reinhardtii >gi_18244_emb_CAA43216_ (X60826) ubiquitin extension protein (UbCEP52) [Chlamydomonas reinhardtii] >gi_18246_emb_CAA33466_ (X15427) ubiquitin/ribosomal protein [Chlamydomonas reinhardtii]'		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105752	Strand	+
Start	3209	End	5014
Name	OJ000328_17.0419.C5.o2.gs	Method	GENSCAN
Start	3209	End	4934

GI	none	Score	.52
Exons	3209..3311, 3488..3672, 4444..4510, 4906..4934		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105752	Strand	+
Start	3209	End	5014
Name	OJ000328_17.0419.C5.o2.np	Method	AAT/NAP
Start	3209	End	4929
GI	7493554	Score	453
Exons	3209..3311, 3488..3683, 4444..4510, 4906..4929		
GI Descrip.	ubiquitin - fission yeast (Schizosaccharomyces pombe) gi|7493566|pir||T37897 ubiquitin fusion protein - fission yeast (Schizosaccharomyces pombe) gi|2408009|emb|CAB16209.1| (Z99161) ubiquitin family protein [Schizosaccharomyces pombe] gi|5912365|emb|CAB55853.1| (AL117390) ubiquitin fusion protein [Schizosaccharomyces pombe]		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105753	Strand	-
Start	15	End	1458
Name	OJ000328_17.0419.C5.o1.gs	Method	GENSCAN
Start	15	End	1458
GI	none	Score	.74
Exons	15..274, 357..560, 652..1147, 1234..1458		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105753	Strand	-
Start	15	End	1458
Name	OJ000328_17.0419.C5.o1.np	Method	AAT/NAP
Start	111	End	1413
GI	3243234	Score	447
Exons	111..274, 357..560, 652..889, 998..1147, 1243..1413		
GI Descrip.	(AF071477) isoflavone reductase related protein [Pyrus communis]		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105753	Strand	-
Start	15	End	1458
Name	OJ000328_17.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	111	End	1392
GI	none	Score	46
Exons	111..263, 370..561, 659..895, 855..896, 999..1088, 1306..1392		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105753	Strand	-
Start	15	End	1458
Name	OJ000328_17.0419.C5.o2.tw	Method	TBLASTX:Wheat
Start	129	End	501
GI	none	Score	111
Exons	129..284, 364..501		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105753	Strand	-
Start	15	End	1458
Name	OJ000328_17.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	370	End	1392
GI	none	Score	64
Exons	370..540, 653..712, 734..895, 840..896, 998..1087, 999..1088,		

1306..1392

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105753	Strand	-
Start	15	End	1458
Name	OJ000328_17.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	370	End	868
GI	none	Score	64
Exons	370..462, 469..555, 612..716, 650..868		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105754	Strand	
Start	3179	End	4521
Name	OJ000328_17.0419.C5.o2.tc	Method	TBLASTX:Cress
Start	3179	End	4520
GI	none	Score	161
Exons	3179..3319, 3208..3318, 3483..3611, 3486..3611, 3487..3618, 3622..3690, 4438..4506, 4442..4513, 4485..4520		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105754	Strand	
Start	3179	End	4521
Name	OJ000328_17.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	3181	End	4513
GI	none	Score	68
Exons	3181..3249, 3196..3318, 3197..3319, 3483..3617, 3486..3587, 3487..3618, 3622..3690, 4438..4506, 4442..4513		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105754	Strand	
Start	3179	End	4521
Name	OJ000328_17.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	3197	End	3690
GI	none	Score	159
Exons	3197..3253, 3205..3318, 3206..3319, 3208..3318, 3208..3318, 3209..3319, 3209..3319, 3429..3617, 3483..3611, 3483..3611, 3487..3612, 3487..3612, 3487..3618, 3489..3653, 3622..3690, 3622..3690		

Seq. No.	49749	Seq. ID	OJ000328_17.0419.C5
Gene No.	105754	Strand	
Start	3179	End	4521
Name	OJ000328_17.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	3202	End	4521
GI	none	Score	159
Exons	3202..3318, 3206..3319, 3483..3617, 3486..3617, 3487..3618, 3610..3690, 3622..3690, 4438..4521, 4442..4513		

Seq. No.	49750	Seq. ID	OJ000328_17.0419.C6
Gene No.	105755	Strand	+
Start	1	End	1501
Name	OJ000328_17.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	755
GI	1362010	Score	94
Exons	1..33, 103..222, 640..755		
GI Descrip.	ubiquitin-like protein 9 - Arabidopsis thaliana		

Seq. No.	49750	Seq. ID	OJ000328_17.0419.C6
Gene No.	105755	Strand	+
Start	1	End	1501
Name	OJ000328_17.0419.C6.o1.gs	Method	GENSCAN
Start	120	End	1501
GI	none	Score	.95
Exons	120..222, 595..776, 1277..1501		

Seq. No.	49751	Seq. ID	OJ000328_17.0419.C7
Gene No.	105756	Strand	-
Start	1192	End	1410
Name	OJ000328_17.0419.C7.o1.gs	Method	GENSCAN
Start	1192	End	1410
GI	none	Score	.99
Exons	1192..1410		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105757	Strand	+
Start	2306	End	4315
Name	OJ000328_17.0419.C8.o1.np	Method	AAT/NAP
Start	2306	End	4315
GI	7446441	Score	1755
Exons	2306..4315		
GI Descrip.	probable serine/threonine-specific protein kinase F13M22.21 (EC 2.7.1.-) - Arabidopsis thaliana gi|3236253|gb|AAC23641.1| (AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o3.tw	Method	TBLASTX:Wheat
Start	64	End	3338
GI	none	Score	48
Exons	64..96, 116..166, 3020..3292, 3021..3179, 3281..3331, 3297..3338		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	2360	End	5521
GI	none	Score	539
Exons	2360..2836, 2361..2849, 2604..2849, 5030..5146, 5035..5145, 5129..5209, 5149..5274, 5215..5520, 5270..5521		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	2391	End	5653
GI	none	Score	138
Exons	2391..2561, 2393..2542, 2532..2654, 2661..2954, 2702..2836, 5000..5149, 5156..5194, 5261..5326, 5336..5509, 5344..5508, 5504..5653		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+

Start	4982	End	5716
Name	OJ000328_17.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	2412	End	5715
GI	none	Score	101
Exons	2412..2540, 2532..2852, 2552..2836, 2844..3008, 2850..3179, 2858..3151, 3255..3392, 3269..3394, 3347..3961, 3349..3489, 3350..3961, 3959..4045, 4009..4182, 4100..4183, 5087..5146, 5101..5145, 5162..5209, 5224..5319, 5267..5515, 5347..5502, 5507..5620, 5512..5640, 5632..5715		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	2762	End	5685
GI	none	Score	106
Exons	2762..2836, 2763..2849, 2841..3020, 2841..3008, 2855..3016, 5429..5596, 5432..5641, 5434..5640, 5626..5685		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	2858	End	5715
GI	none	Score	320
Exons	2858..3151, 2859..3152, 2859..3173, 5522..5641, 5528..5590, 5620..5715		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3347	End	3847
GI	none	Score	583
Exons	3347..3847, 3349..3846		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	3367	End	3790
GI	none	Score	321
Exons	3367..3489, 3368..3790		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	3392	End	3964
GI	none	Score	339
Exons	3392..3625, 3394..3612, 3395..3625, 3614..3856, 3617..3964, 3622..3963		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o4.tm	Method	TBLASTX:Maize

Start	3965	End	4255
GI	none	Score	218
Exons	3965..4255, 3977..4240		

Seq. No.	49752	Seq. ID	OJ000328_17.0419.C8
Gene No.	105758	Strand	+
Start	4982	End	5716
Name	OJ000328_17.0419.C8.o2.np	Method	AAT/NAP
Start	4982	End	5716
GI	1418331	Score	499
Exons	4982..5716		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105759	Strand	+
Start	1	End	1055
Name	OJ000328_17.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	1052
GI	7446441	Score	998
Exons	1..1052		
GI Descrip.	probable serine/threonine-specific protein kinase F13M22.21 (EC 2.7.1.-) - Arabidopsis thaliana gi|3236253|gb|AAC23641.1| (AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105759	Strand	+
Start	1	End	1055
Name	OJ000328_17.0419.C9.o1.gs	Method	GENSCAN
Start	231	End	1055
GI	none	Score	.97
Exons	231..569, 600..1055		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	9	End	938
GI	none	Score	133
Exons	9..137, 23..133, 150..350, 159..725, 250..351, 299..685, 402..713, 705..938, 715..750, 818..937		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	65	End	578
GI	none	Score	87
Exons	65..148, 66..152, 138..578, 149..577		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	87	End	521
GI	none	Score	65
Exons	87..131, 98..163, 141..521, 189..392		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	116	End	692
GI	none	Score	36
Exons	116..148, 117..146, 149..253, 348..692	150..359, 159..359, 347..685,	

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o3.tm	Method	TBLASTX:Maize
Start	696	End	1016
GI	none	Score	190
Exons	696..1016, 696..935		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o1.gp	Method	AAT/GAP
Start	1362	End	2502
GI	LIB3433-003-Q6-K6-F12	Score	650
Exons	1362..1574, 2353..2502		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 9.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o2.gs	Method	GENSCAN
Start	1499	End	2500
GI	none	Score	.58
Exons	1499..1574, 2353..2500		

Seq. No.	49753	Seq. ID	OJ000328_17.0419.C9
Gene No.	105760	Strand	-
Start	1499	End	2502
Name	OJ000328_17.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	1515	End	2502
GI	none	Score	67
Exons	1515..1574, 1516..1575, 1517..1573, 2319..2501, 2355..2501, 2356..2502		

Seq. No.	49754	Seq. ID	OJ000328_17.0419.C10
Gene No.	105761	Strand	+
Start	210	End	302
Name	OJ000328_17.0419.C10.o1.gs	Method	GENSCAN
Start	210	End	302
GI	none	Score	.6
Exons	210..302		

Seq. No.	49754	Seq. ID	OJ000328_17.0419.C10
Gene No.	105762	Strand	+
Start	3411	End	4049
Name	OJ000328_17.0419.C10.o2.np	Method	AAT/NAP

Start	3411	End	4049
GI	7106512	Score	138
Exons	3411..3470, 3544..3593, 3995..4049		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49754	Seq. ID	OJ000328_17.0419.C10
Gene No.	105763	Strand	-
Start	1303	End	4049
Name	OJ000328_17.0419.C10.o1.np	Method	AAT/NAP
Start	1195	End	4049
GI	5852093	Score	83
Exons	1195..1213, 2934..3041, 3962..4049		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	49754	Seq. ID	OJ000328_17.0419.C10
Gene No.	105763	Strand	-
Start	1303	End	4049
Name	OJ000328_17.0419.C10.o2.gs	Method	GENSCAN
Start	1303	End	3582
GI	none	Score	.72
Exons	1303..1401, 1848..1871, 1928..1998, 3483..3582		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105764	Strand	+
Start	1	End	5190
Name	OJ000328_17.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	3788
GI	7486188	Score	100
Exons	1..43, 1063..1209, 1294..1397, 1522..1694, 3733..3788		
GI Descrip.	hypothetical protein F26C24.3 - Arabidopsis thaliana gi|3252806|gb|AAC24176.1| (AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105764	Strand	+
Start	1	End	5190
Name	OJ000328_17.0419.C11.o1.gs	Method	GENSCAN
Start	436	End	5190
GI	none	Score	.53
Exons	436..441, 1009..1209, 1294..1397, 1522..1690, 1837..1959, 2074..2154, 2299..3183, 4349..4504, 4602..4705, 4793..4958, 5056..5190		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105764	Strand	+
Start	1	End	5190
Name	OJ000328_17.0419.C11.o1.gp	Method	AAT/GAP
Start	977	End	1718
GI	uC-osroM202019d07b1	Score	950
Exons	977..1209, 1294..1397, 1522..1718		
GI Descrip.	'3367591/emb|CAA20043| 2.0e-12 (AL031135) putative protein [Arabidopsis thaliana]'		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105765	Strand	+
Start	7275	End	9899

Name	OJ000328_17.0419.C11.o2.gs	Method	GENSCAN
Start	7275	End	9899
GI	none	Score	.52
Exons	7275..7329, 8881..8969, 9069..9224, 9313..9416, 9505..9670, 9777..9899		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105766	Strand	-
Start	3140	End	3568
Name	OJ000328_17.0419.C11.o2.gp	Method	AAT/GAP
Start	3140	End	3568
GI	uC-osroM202019d07a1	Score	778
Exons	3140..3568		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105767	Strand	-
Start	11146	End	11357
Name	OJ000328_17.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	1144	End	9613
GI	none	Score	77
Exons	1144..1209, 1291..1395, 1353..1394, 1522..1569, 1523..1630, 1580..1630, 4305..4436, 4306..4440, 4315..4503, 4316..4504, 4599..4703, 4601..4702, 4793..4900, 4794..4901, 9045..9224, 9067..9159, 9173..9280, 9310..9414, 9312..9413, 9505..9612, 9506..9613		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105767	Strand	-
Start	11146	End	11357
Name	OJ000328_17.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	1150	End	9645
GI	none	Score	71
Exons	1150..1212, 1288..1398, 1520..1651, 4592..4678, 4593..4700, 4775..4933, 4791..4916, 9111..9227, 9303..9389, 9304..9411, 9502..9645, 9506..9631		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105767	Strand	-
Start	11146	End	11357
Name	OJ000328_17.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	10961	End	11357
GI	none	Score	55
Exons	10961..11038, 10961..11038, 11061..11213, 11137..11259, 11138..11260, 11255..11293, 11297..11356, 11303..11356, 11304..11357		

Seq. No.	49755	Seq. ID	OJ000328_17.0419.C11
Gene No.	105767	Strand	-
Start	11146	End	11357
Name	OJ000328_17.0419.C11.o3.gs	Method	GENSCAN
Start	11146	End	11334
GI	none	Score	.74
Exons	11146..11334		

Seq. No.	49756	Seq. ID	OJ000328_17.0419.C12

Gene No.	105768	Strand	-
Start	684	End	1045
Name	OJ000328_17.0419.C12.o1.gs	Method	GENSCAN
Start	684	End	1045
GI	none	Score	.4
Exons	684..832, 923..1045		

Seq. No.	49757	Seq. ID	OJ000328_17.0419.C13
Gene No.	105769	Strand	-
Start	625	End	1529
Name	OJ000328_17.0419.C13.o1.np	Method	AAT/NAP
Start	373	End	1529
GI	4680183	Score	201
Exons	373..462, 1072..1142, 1500..1529		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	49757	Seq. ID	OJ000328_17.0419.C13
Gene No.	105769	Strand	-
Start	625	End	1529
Name	OJ000328_17.0419.C13.o1.gs	Method	GENSCAN
Start	625	End	1142
GI	none	Score	.43
Exons	625..730, 1004..1142		

Seq. No.	49758	Seq. ID	OJ000328_17.0419.C14
Gene No.	105770	Strand	-
Start	1	End	1806
Name	OJ000328_17.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	496
GI	6907086	Score	279
Exons	1..496		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49758	Seq. ID	OJ000328_17.0419.C14
Gene No.	105770	Strand	-
Start	1	End	1806
Name	OJ000328_17.0419.C14.o1.gs	Method	GENSCAN
Start	45	End	1806
GI	none	Score	.5
Exons	45..186, 1127..1281, 1343..1399, 1780..1806		

Seq. No.	49759	Seq. ID	OJ000328_17.0419.C15
Gene No.	105771	Strand	-
Start	1	End	1668
Name	OJ000328_17.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	407
GI	4680186	Score	187
Exons	1..71, 232..407		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49759	Seq. ID	OJ000328_17.0419.C15
Gene No.	105771	Strand	-
Start	1	End	1668
Name	OJ000328_17.0419.C15.o2.np	Method	AAT/NAP
Start	1	End	1113
GI	7340860	Score	74
Exons	1..22, 1014..1113		

GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49759	Seq. ID	OJ000328_17.0419.C15
Gene No.	105771	Strand	-
Start	1	End	1668
Name	OJ000328_17.0419.C15.o1.gs	Method	GENSCAN
Start	222	End	1668
GI	none	Score	.82
Exons	222..412, 1014..1113, 1457..1668		
Seq. No.	49760	Seq. ID	OJ000328_17.0419.C16
Gene No.	105772	Strand	+
Start	407	End	701
Name	OJ000328_17.0419.C16.o1.gs	Method	GENSCAN
Start	407	End	701
GI	none	Score	.69
Exons	407..480, 618..701		
Seq. No.	49761	Seq. ID	OJ000328_17.0419.C18
Gene No.	105773	Strand	+
Start	130	End	354
Name	OJ000328_17.0419.C18.o1.gs	Method	GENSCAN
Start	130	End	354
GI	none	Score	.91
Exons	130..354		
Seq. No.	49762	Seq. ID	OJ000328_17.0419.C19
Gene No.	105774	Strand	-
Start	215	End	1024
Name	OJ000328_17.0419.C19.o1.gs	Method	GENSCAN
Start	215	End	1024
GI	none	Score	.42
Exons	215..346, 1004..1024		
Seq. No.	49763	Seq. ID	OJ000328_17.0419.C21
Gene No.	105775	Strand	+
Start	1	End	1060
Name	OJ000328_17.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	1060
GI	7340860	Score	75
Exons	1..26, 632..698, 815..949, 1015..1060		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	49763	Seq. ID	OJ000328_17.0419.C21
Gene No.	105775	Strand	+
Start	1	End	1060
Name	OJ000328_17.0419.C21.o1.gs	Method	GENSCAN
Start	497	End	700
GI	none	Score	.82
Exons	497..700		
Seq. No.	49764	Seq. ID	OJ000328_17.0419.C22
Gene No.	105776	Strand	+
Start	2541	End	3723
Name	OJ000328_17.0419.C22.o2.np	Method	AAT/NAP

Start	2541	End	3723
GI	6850862	Score	915
Exons	2541..3723		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	49764	Seq. ID	OJ000328_17.0419.C22
Gene No.	105777	Strand	-
Start	1392	End	2029
Name	OJ000328_17.0419.C22.o1.np	Method	AAT/NAP
Start	1392	End	2029
GI	7339719	Score	129
Exons	1392..1789, 1899..2029		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	49764	Seq. ID	OJ000328_17.0419.C22
Gene No.	105778	Strand	
Start	2534	End	3709
Name	OJ000328_17.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	2534	End	3709
GI	none	Score	427
Exons	2534..2581, 2552..2662, 2579..2926, 2584..2940, 2687..2941, 2870..3199, 2923..2985, 2984..3196, 2986..3219, 2986..3291, 3141..3299, 3264..3389, 3266..3709, 3281..3451, 3361..3705, 3497..3706		

Seq. No.	49764	Seq. ID	OJ000328_17.0419.C22
Gene No.	105778	Strand	
Start	2534	End	3709
Name	OJ000328_17.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	2585	End	3139
GI	none	Score	97
Exons	2585..2662, 2675..2767, 2788..2877, 2789..2875, 2978..3139, 2998..3075		

Seq. No.	49764	Seq. ID	OJ000328_17.0419.C22
Gene No.	105778	Strand	
Start	2534	End	3709
Name	OJ000328_17.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	3457	End	3709
GI	none	Score	353
Exons	3457..3705, 3458..3709, 3503..3706		

Seq. No.	49765	Seq. ID	OJ000328_17.0419.C23
Gene No.	105779	Strand	+
Start	1	End	593
Name	OJ000328_17.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	218
GI	7522316	Score	73
Exons	1..218		
GI Descrip.	hypothetical protein SPAC20G8.10c - fission yeast (Schizosaccharomyces pombe) (fragment) gi|2440186|emb|CAB08604.1| (Z95334) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	49765	Seq. ID	OJ000328_17.0419.C23
Gene No.	105779	Strand	+
Start	1	End	593

Name	OJ000328_17.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	232
GI	none	Score	364
Exons	2..232, 4..228		

Seq. No.	49765	Seq. ID	OJ000328_17.0419.C23
Gene No.	105779	Strand	+
Start	1	End	593
Name	OJ000328_17.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	11	End	219
GI	none	Score	242
Exons	11..217, 34..216, 133..219		

Seq. No.	49765	Seq. ID	OJ000328_17.0419.C23
Gene No.	105779	Strand	+
Start	1	End	593
Name	OJ000328_17.0419.C23.o1.gp	Method	AAT/GAP
Start	47	End	593
GI	LIB3434-035-P1-K1-A7	Score	353
Exons	47..256, 557..593		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	49765	Seq. ID	OJ000328_17.0419.C23
Gene No.	105779	Strand	+
Start	1	End	593
Name	OJ000328_17.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	64	End	217
GI	none	Score	201
Exons	64..216, 65..217		

Seq. No.	49766	Seq. ID	OJ000328_17.0419.C24
Gene No.	105780	Strand	+
Start	817	End	2153
Name	OJ000328_17.0419.C24.o1.np	Method	AAT/NAP
Start	817	End	2153
GI	5734715	Score	259
Exons	817..865, 1817..2153		
GI Descrip.	(AC008075) Similar to gb|AF110333 PrMC3 protein from Pinus radiata and is a member of PF|00135 Carboxylesterases family. EST gb|N37841 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	49766	Seq. ID	OJ000328_17.0419.C24
Gene No.	105780	Strand	+
Start	817	End	2153
Name	OJ000328_17.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	1639	End	2105
GI	none	Score	52
Exons	1639..1692, 1641..1694, 1643..1705, 1710..1745, 1711..1752, 1713..1751, 1830..1934, 1831..1938, 1914..2105, 2056..2103		

Seq. No.	49766	Seq. ID	OJ000328_17.0419.C24
Gene No.	105780	Strand	+
Start	817	End	2153
Name	OJ000328_17.0419.C24.o2.gs	Method	GENSCAN
Start	1735	End	2138
GI	none	Score	.99

Exons	1735..2138		
Seq. No.	49766	Seq. ID	OJ000328_17.0419.C24
Gene No.	105780	Strand	+
Start	817	End	2153
Name	OJ000328_17.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	1822	End	2153
GI	none	Score	93
Exons	1822..1893, 1823..1894, 1830..1934, 1831..1947, 2031..2153, 2056..2151		
Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105781	Strand	+
Start	1	End	470
Name	OJ000328_17.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	470
GI	5734715	Score	258
Exons	1..470		
GI Descrip.	(AC008075) Similar to gb|AF110333 PrMC3 protein from Pinus radiata and is a member of PF|00135 Carboxylesterases family. EST gb|N37841 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105781	Strand	+
Start	1	End	470
Name	OJ000328_17.0419.C25.o1.gs	Method	GENSCAN
Start	60	End	461
GI	none	Score	.87
Exons	60..461		
Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105781	Strand	+
Start	1	End	470
Name	OJ000328_17.0419.C25.o1.gp	Method	AAT/GAP
Start	285	End	404
GI	none	Score	197
Exons	285..404		
Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105782	Strand	+
Start	1270	End	2247
Name	OJ000328_17.0419.C25.o2.gs	Method	GENSCAN
Start	1270	End	2247
GI	none	Score	.93
Exons	1270..1482, 2140..2247		
Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105783	Strand	-
Start	2558	End	3385
Name	OJ000328_17.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	17	End	449
GI	none	Score	266
Exons	17..205, 18..209, 228..449, 260..391		
Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105783	Strand	-
Start	2558	End	3385

Name	OJ000328_17.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	17	End	449
GI	none	Score	266
Exons	17..205, 18..209, 228..449, 260..391		

Seq. No.	49767	Seq. ID	OJ000328_17.0419.C25
Gene No.	105783	Strand	-
Start	2558	End	3385
Name	OJ000328_17.0419.C25.o3.gs	Method	GENSCAN
Start	2558	End	3385
GI	none	Score	.89
Exons	2558..2796, 3061..3115, 3233..3385		

Seq. No.	49768	Seq. ID	OJ000328_17.0419.C26
Gene No.	105784	Strand	+
Start	944	End	2296
Name	OJ000328_17.0419.C26.o1.gs	Method	GENSCAN
Start	944	End	2128
GI	none	Score	.55
Exons	944..1161, 1278..1308, 1819..2128		

Seq. No.	49768	Seq. ID	OJ000328_17.0419.C26
Gene No.	105784	Strand	+
Start	944	End	2296
Name	OJ000328_17.0419.C26.o1.np	Method	AAT/NAP
Start	1580	End	2296
GI	6907088	Score	322
Exons	1580..1717, 1893..2077, 2268..2296		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49769	Seq. ID	OJ000328_17.0419.C28
Gene No.	105785	Strand	+
Start	726	End	1221
Name	OJ000328_17.0419.C28.o1.tc	Method	TBLASTX:Cress
Start	724	End	1196
GI	none	Score	42
Exons	724..747, 726..749, 834..893, 845..892, 1002..1067, 1003..1071, 1087..1191, 1089..1196		

Seq. No.	49769	Seq. ID	OJ000328_17.0419.C28
Gene No.	105785	Strand	+
Start	726	End	1221
Name	OJ000328_17.0419.C28.o1.gs	Method	GENSCAN
Start	726	End	1197
GI	none	Score	1
Exons	726..894, 1004..1197		

Seq. No.	49769	Seq. ID	OJ000328_17.0419.C28
Gene No.	105785	Strand	+
Start	726	End	1221
Name	OJ000328_17.0419.C28.o1.np	Method	AAT/NAP
Start	726	End	1194
GI	7430872	Score	286
Exons	726..894, 1004..1194		
GI Descrip.	plantacyanin - spinach gi|3395754|gb|AAC32448.1| (U76296) plantacyanin [Spinacia oleracea]		

Seq. No.	49769	Seq. ID	OJ000328_17.0419.C28
Gene No.	105785	Strand	+
Start	726	End	1221
Name	OJ000328_17.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	726	End	1191
GI	none	Score	80
Exons	726..752, 779..844, 834..893, 834..890, 1003..1080, 1008..1079, 1087..1191, 1089..1190		

Seq. No.	49769	Seq. ID	OJ000328_17.0419.C28
Gene No.	105785	Strand	+
Start	726	End	1221
Name	OJ000328_17.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	834	End	1221
GI	none	Score	79
Exons	834..893, 834..893, 1002..1055, 1003..1068, 1072..1221, 1095..1199		

Seq. No.	49770	Seq. ID	OJ000328_17.0419.C29
Gene No.	105786	Strand	+
Start	72	End	1721
Name	OJ000328_17.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1711
GI	none	Score	67
Exons	1..72, 72..107, 1201..1590, 1269..1628, 1279..1434, 1395..1628, 1486..1644, 1643..1711, 1643..1711		

Seq. No.	49770	Seq. ID	OJ000328_17.0419.C29
Gene No.	105786	Strand	+
Start	72	End	1721
Name	OJ000328_17.0419.C29.o1.gs	Method	GENSCAN
Start	72	End	1701
GI	none	Score	.84
Exons	72..104, 1216..1701		

Seq. No.	49770	Seq. ID	OJ000328_17.0419.C29
Gene No.	105786	Strand	+
Start	72	End	1721
Name	OJ000328_17.0419.C29.o1.np	Method	AAT/NAP
Start	1297	End	1710
GI	7225642	Score	141
Exons	1297..1710		
GI Descrip.	(AE002398) conserved hypothetical protein [Neisseria meningitidis]		

Seq. No.	49770	Seq. ID	OJ000328_17.0419.C29
Gene No.	105786	Strand	+
Start	72	End	1721
Name	OJ000328_17.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	1473	End	1721
GI	none	Score	187
Exons	1473..1706, 1476..1643, 1486..1644, 1486..1584, 1643..1711, 1654..1710, 1686..1721		

Seq. No.	49771	Seq. ID	OJ000328_17.0419.C31
Gene No.	105787	Strand	+
Start	669	End	1463

Name	OJ000328_17.0419.C31.o1.np	Method	AAT/NAP
Start	669	End	1463
GI	6907088	Score	353
Exons	669..806, 982..1224, 1416..1463		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49772	Seq. ID	OJ000328_17.0419.C34
Gene No.	105788	Strand	+
Start	197	End	1308
Name	OJ000328_17.0419.C34.o1.gp	Method	AAT/GAP
Start	197	End	1308
GI	uC-osflcyp125e02b1	Score	711
Exons	197..480, 566..615, 1254..1308		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	49772	Seq. ID	OJ000328_17.0419.C34
Gene No.	105788	Strand	+
Start	197	End	1308
Name	OJ000328_17.0419.C34.o1.gs	Method	GENSCAN
Start	199	End	998
GI	none	Score	.94
Exons	199..480, 566..615, 983..998		

Seq. No.	49773	Seq. ID	OJ000328_17.0419.C37
Gene No.	105789	Strand	+
Start	30	End	701
Name	OJ000328_17.0419.C37.o1.gs	Method	GENSCAN
Start	30	End	701
GI	none	Score	.65
Exons	30..53, 190..332, 632..701		

Seq. No.	49773	Seq. ID	OJ000328_17.0419.C37
Gene No.	105790	Strand	-
Start	2040	End	3382
Name	OJ000328_17.0419.C37.o2.gs	Method	GENSCAN
Start	2040	End	3382
GI	none	Score	.52
Exons	2040..2062, 2289..2317, 2634..2782, 3308..3382		

Seq. No.	49774	Seq. ID	OJ000328_17.0419.C38
Gene No.	105791	Strand	+
Start	336	End	3712
Name	OJ000328_17.0419.C38.o1.gs	Method	GENSCAN
Start	336	End	3504
GI	none	Score	.65
Exons	336..493, 669..905, 1049..1192, 1323..1394, 1476..1535, 1772..1861, 2274..2444, 2689..3504		

Seq. No.	49774	Seq. ID	OJ000328_17.0419.C38
Gene No.	105791	Strand	+
Start	336	End	3712
Name	OJ000328_17.0419.C38.o1.gp	Method	AAT/GAP
Start	2451	End	2643
GI	5667165	Score	329
Exons	2451..2643		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence

Seq. No.	49774	Seq. ID	OJ000328_17.0419.C38
Gene No.	105791	Strand	+
Start	336	End	3712
Name	OJ000328_17.0419.C38.o1.np	Method	AAT/NAP
Start	2729	End	3712
GI	6907086	Score	1252
Exons	2729..3484, 3542..3712		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49775	Seq. ID	OJ000328_17.0419.C39
Gene No.	105792	Strand	+
Start	796	End	1884
Name	OJ000328_17.0419.C39.o1.np	Method	AAT/NAP
Start	796	End	1884
GI	7485502	Score	935
Exons	796..1884		
GI Descrip.	hypothetical protein F15B8.190 - Arabidopsis thaliana gi|4678285|emb|CAB41193.1| (AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	49775	Seq. ID	OJ000328_17.0419.C39
Gene No.	105792	Strand	+
Start	796	End	1884
Name	OJ000328_17.0419.C39.o1.ts	Method	TBLASTX:Soybean
Start	838	End	1882
GI	none	Score	346
Exons	838..1149, 906..1001, 1051..1146, 1056..1169, 1154..1225, 1155..1250, 1254..1382, 1295..1384, 1445..1564, 1445..1630, 1449..1631, 1486..1644, 1626..1859, 1643..1834, 1719..1859, 1812..1880, 1832..1882		

Seq. No.	49775	Seq. ID	OJ000328_17.0419.C39
Gene No.	105792	Strand	+
Start	796	End	1884
Name	OJ000328_17.0419.C39.o1.gs	Method	GENSCAN
Start	857	End	1835
GI	none	Score	.42
Exons	857..1098, 1188..1835		

Seq. No.	49775	Seq. ID	OJ000328_17.0419.C39
Gene No.	105792	Strand	+
Start	796	End	1884
Name	OJ000328_17.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	886	End	1871
GI	none	Score	297
Exons	886..1149, 924..1001, 1065..1169, 1154..1225, 1155..1238, 1218..1382, 1295..1384, 1446..1631, 1448..1630, 1626..1871, 1643..1852		

Seq. No.	49775	Seq. ID	OJ000328_17.0419.C39
Gene No.	105792	Strand	+
Start	796	End	1884
Name	OJ000328_17.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	1407	End	1856
GI	none	Score	162

Exons	1407..1619, 1433..1579, 1444..1626, 1574..1624, 1650..1856		
Seq. No.	49776	Seq. ID	OJ000328_17.0419.C40
Gene No.	105793	Strand	+
Start	1	End	394
Name	OJ000328_17.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	382
GI	7485502	Score	181
Exons	1..23, 148..382		
GI Descrip.	hypothetical protein F15B8.190 - Arabidopsis thaliana gi|4678285|emb|CAB41193.1| (AL049660) putative protein [Arabidopsis thaliana]		
Seq. No.	49776	Seq. ID	OJ000328_17.0419.C40
Gene No.	105793	Strand	+
Start	1	End	394
Name	OJ000328_17.0419.C40.o1.ts	Method	TBLASTX:Soybean
Start	157	End	394
GI	none	Score	94
Exons	157..231, 158..232, 263..394, 349..390		
Seq. No.	49776	Seq. ID	OJ000328_17.0419.C40
Gene No.	105793	Strand	+
Start	1	End	394
Name	OJ000328_17.0419.C40.o1.tc	Method	TBLASTX:Cress
Start	163	End	385
GI	none	Score	214
Exons	163..237, 164..385, 334..384		
Seq. No.	49777	Seq. ID	OJ000328_17.0419.C41
Gene No.	105794	Strand	+
Start	177	End	267
Name	OJ000328_17.0419.C41.o1.gs	Method	GENSCAN
Start	177	End	267
GI	none	Score	.72
Exons	177..267		
Seq. No.	49778	Seq. ID	OJ000208_18.0417.C1
Gene No.	105795	Strand	+
Start	4131	End	4246
Name	OJ000208_18.0417.C1.o1.gs	Method	GENSCAN
Start	4131	End	4246
GI	none	Score	.71
Exons	4131..4246		
Seq. No.	49778	Seq. ID	OJ000208_18.0417.C1
Gene No.	105796	Strand	+
Start	10457	End	10511
Name	OJ000208_18.0417.C1.o3.gp	Method	AAT/GAP
Start	10457	End	10511
GI	557_1.R1084	Score	64
Exons	10457..10511		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		
Seq. No.	49778	Seq. ID	OJ000208_18.0417.C1
Gene No.	105797	Strand	-

Start	4901	End	12070
Name	OJ000208_18.0417.C1.o1.np	Method	AAT/NAP
Start	4901	End	8226
GI	6815052	Score	264
Exons	4901..5025, 7880..7949, 8021..8226		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	49778	Seq. ID	OJ000208_18.0417.C1
Gene No.	105797	Strand	-
Start	4901	End	12070
Name	OJ000208_18.0417.C1.o2.gs	Method	GENSCAN
Start	5482	End	12070
GI	none	Score	.66
Exons	5482..5634, 5782..5991, 6326..6481, 6777..6827, 7937..8172, 10688..10733, 10922..11015, 11101..11298, 11657..12070		

Seq. No.	49778	Seq. ID	OJ000208_18.0417.C1
Gene No.	105797	Strand	-
Start	4901	End	12070
Name	OJ000208_18.0417.C1.o2.gp	Method	AAT/GAP
Start	7006	End	7571
GI	4879016	Score	843
Exons	7006..7571		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105798	Strand	+
Start	690	End	1011
Name	OJ000208_18.0417.C2.o1.gs	Method	GENSCAN
Start	690	End	1011
GI	none	Score	.64
Exons	690..753, 971..1011		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105799	Strand	+
Start	2140	End	2593
Name	OJ000208_18.0417.C2.o1.gp	Method	AAT/GAP
Start	2140	End	2593
GI	none	Score	890
Exons	2140..2593		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105800	Strand	-
Start	2408	End	6754
Name	OJ000208_18.0417.C2.o1.np	Method	AAT/NAP
Start	2408	End	6754
GI	6978915	Score	795
Exons	2408..2618, 3629..3721, 4334..4471, 4563..4690, 5145..5305, 5385..5475, 6375..6430, 6592..6754		
GI Descrip.	(AC021665) unknown protein [Arabidopsis thaliana]		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o7.tm	Method	TBLASTX:Maize

Start	3596	End	6644
GI	none	Score	75
Exons	3596..3715, 3597..3731, 4334..4471, 4560..4700, 5146..5301, 5146..5307, 5147..5308, 5363..5482, 5385..5474, 5393..5479, 6376..6420, 6591..6644		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o4.ts	Method	TBLASTX:Soybean
Start	4406	End	5308
GI	none	Score	58
Exons	4406..4471, 4410..4472, 4560..4700, 4561..4701, 5143..5307, 5143..5307, 5144..5308		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o4.tw	Method	TBLASTX:Wheat
Start	4560	End	5485
GI	none	Score	164
Exons	4560..4700, 5137..5307, 5144..5332, 5385..5483, 5390..5485		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o6.tw	Method	TBLASTX:Wheat
Start	7037	End	7244
GI	none	Score	132
Exons	7037..7240, 7038..7244		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o2.np	Method	AAT/NAP
Start	7046	End	11135
GI	2865424	Score	1994
Exons	7046..10489, 10624..10783, 10925..11135		
GI Descrip.	(AF039371) polyprotein [Arabidopsis thaliana]		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o3.np	Method	AAT/NAP
Start	7055	End	11135
GI	7444451	Score	1944
Exons	7055..10396, 10590..10728, 10840..11135		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o4.tm	Method	TBLASTX:Maize
Start	7103	End	7401
GI	none	Score	105

Exons	7103..7399, 7104..7340, 7115..7399, 7204..7401		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o1.ts	Method	TBLASTX:Soybean
Start	7106	End	7702
GI	none	Score	175
Exons	7106..7702, 7107..7511, 7575..7697		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o1.tm	Method	TBLASTX:Maize
Start	7405	End	7867
GI	none	Score	70
Exons	7405..7515, 7409..7867, 7410..7856		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o1.tw	Method	TBLASTX:Wheat
Start	7466	End	7897
GI	none	Score	60
Exons	7466..7735, 7467..7520, 7578..7760, 7733..7897, 7737..7889		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o3.tm	Method	TBLASTX:Maize
Start	7874	End	8279
GI	none	Score	279
Exons	7874..8278, 7878..8279		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o2.tw	Method	TBLASTX:Wheat
Start	7898	End	8411
GI	none	Score	124
Exons	7898..8080, 8066..8410, 8067..8411		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o2.ts	Method	TBLASTX:Soybean
Start	8081	End	8575
GI	5509260	Score	99
Exons	8081..8575, 8097..8252		
GI Descrip.	-		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o2.tc	Method	TBLASTX:Cress
Start	8192	End	8467
GI	none	Score	89

Exons	8192..8467, 8280..8444		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o5.tm	Method	TBLASTX:Maize
Start	8285	End	8531
GI	none	Score	166
Exons	8285..8530, 8292..8531		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o1.tc	Method	TBLASTX:Cress
Start	9044	End	9493
GI	none	Score	73
Exons	9044..9271, 9095..9493, 9246..9314		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o3.tw	Method	TBLASTX:Wheat
Start	9057	End	9427
GI	none	Score	124
Exons	9057..9314, 9095..9427, 9163..9315		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o3.ts	Method	TBLASTX:Soybean
Start	9095	End	9553
GI	none	Score	257
Exons	9095..9553		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o2.tm	Method	TBLASTX:Maize
Start	9102	End	9563
GI	none	Score	209
Exons	9102..9221, 9104..9481, 9105..9500, 9458..9559, 9459..9563		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o8.tm	Method	TBLASTX:Maize
Start	9569	End	9847
GI	none	Score	50
Exons	9569..9664, 9590..9685, 9677..9844, 9677..9847		
Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o3.tc	Method	TBLASTX:Cress
Start	9653	End	9934
GI	none	Score	188
Exons	9653..9739, 9743..9934		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o5.tw	Method	TBLASTX:Wheat
Start	9749	End	10198
GI	none	Score	73
Exons	9749..9868, 9759..9863, 9896..9934, 9931..9975, 10013..10198, 10016..10135		

Seq. No.	49779	Seq. ID	OJ000208_18.0417.C2
Gene No.	105801	Strand	-
Start	7046	End	11135
Name	OJ000208_18.0417.C2.o6.tm	Method	TBLASTX:Maize
Start	9857	End	10174
GI	none	Score	118
Exons	9857..9934, 9980..10174, 10002..10172		

Seq. No.	49780	Seq. ID	OJ000208_18.0417.C3
Gene No.	105802	Strand	+
Start	6	End	1953
Name	OJ000208_18.0417.C3.o1.gs	Method	GENSCAN
Start	6	End	1953
GI	none	Score	.66
Exons	6..118, 240..374, 838..954, 1587..1953		

Seq. No.	49781	Seq. ID	OJ000208_18.0417.C4
Gene No.	105803	Strand	-
Start	278	End	7346
Name	OJ000208_18.0417.C4.o1.gs	Method	GENSCAN
Start	278	End	690
GI	none	Score	.86
Exons	278..347, 598..690		

Seq. No.	49781	Seq. ID	OJ000208_18.0417.C4
Gene No.	105803	Strand	-
Start	278	End	7346
Name	OJ000208_18.0417.C4.o1.np	Method	AAT/NAP
Start	380	End	7346
GI	119714	Score	304
Exons	380..589, 5363..6032, 6126..6274, 6812..7346		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	49781	Seq. ID	OJ000208_18.0417.C4
Gene No.	105803	Strand	-
Start	278	End	7346
Name	OJ000208_18.0417.C4.o2.gs	Method	GENSCAN
Start	1111	End	3150
GI	none	Score	.66
Exons	1111..1428, 2577..2726, 2756..2876, 3119..3150		

Seq. No.	49782	Seq. ID	OJ000208_18.0417.C5
Gene No.	105804	Strand	+
Start	2647	End	2709

Name	OJ000208_18.0417.C5.o1.gp	Method	AAT/GAP
Start	2647	End	2709
GI	LIB3431-004-P1-K1-G12	Score	83
Exons	2647..2709		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	49782	Seq. ID	OJ000208_18.0417.C5
Gene No.	105805	Strand	-
Start	156	End	2931
Name	OJ000208_18.0417.C5.o1.gs	Method	GENSCAN
Start	156	End	2931
GI	none	Score	.49
Exons	156..329, 576..701, 706..759, 2410..2479, 2798..2931		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105806	Strand	+
Start	100	End	5878
Name	OJ000208_18.0417.C6.o1.np	Method	AAT/NAP
Start	100	End	5743
GI	6642641	Score	232
Exons	100..154, 1255..1404, 1528..1743, 1783..1819, 3292..3404, 3506..3589, 5050..5141, 5653..5743		
GI Descrip.	(AC012395) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105806	Strand	+
Start	100	End	5878
Name	OJ000208_18.0417.C6.o1.gs	Method	GENSCAN
Start	724	End	5836
GI	none	Score	.85
Exons	724..930, 995..1032, 1255..1398, 1528..1861, 1947..2179, 3013..3196, 3253..3404, 5071..5137, 5586..5836		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105806	Strand	+
Start	100	End	5878
Name	OJ000208_18.0417.C6.o1.gp	Method	AAT/GAP
Start	1001	End	1579
GI	none	Score	628
Exons	1001..1138, 1255..1398, 1528..1579		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105806	Strand	+
Start	100	End	5878
Name	OJ000208_18.0417.C6.o2.gp	Method	AAT/GAP
Start	3074	End	5878
GI	16778_1.R1084	Score	1191
Exons	3074..3196, 3283..3404, 3500..3565, 5071..5137, 5586..5878		
GI Descrip.	'4263721/gb|AAD15407| 5.0e-17 (AC006223) putative DNA repair protein RAD50 [Arabidopsis thaliana]'		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105807	Strand	+
Start	5988	End	6333
Name	OJ000208_18.0417.C6.o3.gp	Method	AAT/GAP
Start	5988	End	6333

GI	3769185	Score	627
Exons	5988..6333		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105808	Strand	+
Start	7127	End	21316
Name	OJ000208_18.0417.C6.o1.tm	Method	TBLASTX:Maize
Start	1546	End	6038
GI	none	Score	211
Exons	1546..1743, 1546..1740, 1650..1748, 1813..1857, 2054..2179, 2055..2228, 2158..2202, 3013..3033, 3119..3202, 3154..3195, 3278..3403, 3279..3416, 3487..3564, 3497..3565, 3498..3566, 3499..3567, 5052..5138, 5064..5138, 5068..5139, 5585..5629, 5627..5707, 5628..5786, 5628..5798, 5718..5837, 5788..5850, 5963..6007, 6003..6038		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105808	Strand	+
Start	7127	End	21316
Name	OJ000208_18.0417.C6.o2.gs	Method	GENSCAN
Start	7127	End	21187
GI	none	Score	.56
Exons	7127..7189, 7868..8135, 8137..8219, 8524..8602, 8995..9240, 9344..9430, 9698..9978, 10298..10381, 11129..11304, 11486..11600, 12472..12700, 12789..12967, 13086..13256, 13612..13716, 13813..13920, 14183..14335, 15953..15998, 16038..16776, 18951..19080, 19180..19389, 20166..20374, 20986..21187		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105808	Strand	+
Start	7127	End	21316
Name	OJ000208_18.0417.C6.o2.np	Method	AAT/NAP
Start	9118	End	21316
GI	7110148	Score	2257
Exons	9118..9240, 9344..9430, 9811..9978, 11129..11304, 11486..11600, 12472..12700, 12789..12967, 13086..13256, 13612..13716, 13813..13920, 14183..14394, 14516..14603, 15078..15210, 18750..18864, 18951..19080, 19180..19393, 20170..20374, 20986..21316		
GI Descrip.	(AF168748) DNA repair-recombination protein [Arabidopsis thaliana]		

Seq. No.	49783	Seq. ID	OJ000208_18.0417.C6
Gene No.	105808	Strand	+
Start	7127	End	21316
Name	OJ000208_18.0417.C6.o4.gp	Method	AAT/GAP
Start	12462	End	12827
GI	2310054	Score	480
Exons	12462..12700, 12789..12827		
GI Descrip.	4263721/gb|AAD15407| 5.0e-17 (AC006223) putative DNA repair protein RAD50 [Arabidopsis thaliana]		

Seq. No.	49784	Seq. ID	OJ000208_18.0417.C7
Gene No.	105809	Strand	+
Start	1	End	1221
Name	OJ000208_18.0417.C7.o1.np	Method	AAT/NAP

Start	1	End	1221
GI	7110148	Score	337
Exons	1..19, 490..659, 736..1060, 1199..1221		
GI Descrip.	(AF168748) DNA repair-recombination protein [Arabidopsis thaliana]		

Seq. No.	49784	Seq. ID	OJ000208_18.0417.C7
Gene No.	105809	Strand	+
Start	1	End	1221
Name	OJ000208_18.0417.C7.o1.gs	Method	GENSCAN
Start	457	End	1060
GI	none	Score	.83
Exons	457..659, 736..1060		

Seq. No.	49784	Seq. ID	OJ000208_18.0417.C7
Gene No.	105809	Strand	+
Start	1	End	1221
Name	OJ000208_18.0417.C7.o1.tm	Method	TBLASTX:Maize
Start	519	End	869
GI	none	Score	181
Exons	519..662, 520..663, 523..663, 735..869, 737..868		

Seq. No.	49784	Seq. ID	OJ000208_18.0417.C7
Gene No.	105809	Strand	+
Start	1	End	1221
Name	OJ000208_18.0417.C7.o1.gp	Method	AAT/GAP
Start	527	End	1221
GI	48969_1.R1084	Score	865
Exons	527..659, 736..1075, 1198..1221		
GI Descrip.	'4263721/gb|AAD15407| 1.0e-43 (AC006223) putative DNA repair protein RAD50 [Arabidopsis thaliana]'		

Seq. No.	49785	Seq. ID	OJ000208_18.0417.C8
Gene No.	105810	Strand	+
Start	1	End	1429
Name	OJ000208_18.0417.C8.o1.np	Method	AAT/NAP
Start	1	End	1429
GI	4263721	Score	191
Exons	1..46, 1191..1345, 1381..1429		
GI Descrip.	(AC006223) putative RAD50 DNA repair protein [Arabidopsis thaliana]		

Seq. No.	49786	Seq. ID	OJ000208_18.0417.C10
Gene No.	105811	Strand	+
Start	1	End	1116
Name	OJ000208_18.0417.C10.o1.np	Method	AAT/NAP
Start	1	End	961
GI	6143875	Score	156
Exons	1..69, 617..682, 801..961		
GI Descrip.	(AC010927) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49786	Seq. ID	OJ000208_18.0417.C10
Gene No.	105811	Strand	+
Start	1	End	1116
Name	OJ000208_18.0417.C10.o1.tm	Method	TBLASTX:Maize
Start	607	End	920
GI	none	Score	105

Exons	607..702, 617..706, 798..920		
Seq. No.	49786	Seq. ID	OJ000208_18.0417.C10
Gene No.	105811	Strand	+
Start	1	End	1116
Name	OJ000208_18.0417.C10.o1.gs	Method	GENSCAN
Start	801	End	1116
GI	none	Score	.81
Exons	801..915, 999..1037, 1091..1116		
Seq. No.	49787	Seq. ID	OJ000208_18.0417.C11
Gene No.	105812	Strand	+
Start	108	End	546
Name	OJ000208_18.0417.C11.o1.gp	Method	AAT/GAP
Start	108	End	546
GI	4715758	Score	806
Exons	108..546		
Seq. No.	49787	Seq. ID	OJ000208_18.0417.C11
Gene No.	105812	Strand	+
Start	108	End	546
Name	OJ000208_18.0417.C11.o1.gs	Method	GENSCAN
Start	110	End	291
GI	none	Score	1
Exons	110..291		
Seq. No.	49787	Seq. ID	OJ000208_18.0417.C11
Gene No.	105813	Strand	-
Start	1168	End	1575
Name	OJ000208_18.0417.C11.o2.gs	Method	GENSCAN
Start	1168	End	1575
GI	none	Score	.42
Exons	1168..1575		
Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105814	Strand	+
Start	990	End	1653
Name	OJ000208_18.0417.C13.o1.gs	Method	GENSCAN
Start	990	End	1376
GI	none	Score	.45
Exons	990..1376		
Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105814	Strand	+
Start	990	End	1653
Name	OJ000208_18.0417.C13.o1.gp	Method	AAT/GAP
Start	1032	End	1653
GI	16986_1.R1084	Score	1155
Exons	1032..1653		
GI Descrip.	'3142296 3.0e-10 (AC002411) Contains similarity to hypothetical mitochondrial import receptor subunit gb_Z98597 from S. pombe. ESTs gb_T45575 and gb_Z26435 and gb_AA394576 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105815	Strand	-
Start	2480	End	11693

Name	OJ000208_18.0417.C13.o2.gs	Method	GENSCAN
Start	2480	End	10633
GI	none	Score	.48
Exons	2480..2589, 4033..4220, 5246..5342, 5535..5659, 5875..6249, 6561..6788, 6857..7166, 7708..7865, 8628..9092, 9338..9524, 9613..10633		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105815	Strand	-
Start	2480	End	11693
Name	OJ000208_18.0417.C13.o1.np	Method	AAT/NAP
Start	6578	End	11693
GI	7340884	Score	720
Exons	6578..7503, 9354..9524, 9613..10511, 11281..11693		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105816	Strand	-
Start	13242	End	14594
Name	OJ000208_18.0417.C13.o3.tm	Method	TBLASTX:Maize
Start	1142	End	1301
GI	none	Score	232
Exons	1142..1276, 1143..1301		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105816	Strand	-
Start	13242	End	14594
Name	OJ000208_18.0417.C13.o1.tw	Method	TBLASTX:Wheat
Start	1143	End	1301
GI	none	Score	224
Exons	1143..1301, 1145..1276		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105816	Strand	-
Start	13242	End	14594
Name	OJ000208_18.0417.C13.o2.tm	Method	TBLASTX:Maize
Start	3165	End	3524
GI	none	Score	60
Exons	3165..3215, 3166..3216, 3329..3523, 3333..3524		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105816	Strand	-
Start	13242	End	14594
Name	OJ000208_18.0417.C13.o1.tm	Method	TBLASTX:Maize
Start	10001	End	10306
GI	none	Score	122
Exons	10001..10240, 10002..10229, 10242..10286, 10247..10306		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105816	Strand	-
Start	13242	End	14594
Name	OJ000208_18.0417.C13.o2.np	Method	AAT/NAP
Start	13201	End	14312
GI	6815053	Score	765
Exons	13201..13437, 13487..13662, 14166..14312		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	49788	Seq. ID	OJ000208_18.0417.C13
Gene No.	105816	Strand	-
Start	13242	End	14594
Name	OJ000208_18.0417.C13.o3.gs	Method	GENSCAN
Start	13242	End	14594
GI	none	Score	.53
Exons	13242..13437, 13478..13603, 14530..14594		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105817	Strand	+
Start	4332	End	4681
Name	OJ000208_18.0417.C14.o3.gs	Method	GENSCAN
Start	4332	End	4681
GI	none	Score	.97
Exons	4332..4411, 4468..4681		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105818	Strand	-
Start	1	End	588
Name	OJ000208_18.0417.C14.o1.np	Method	AAT/NAP
Start	1	End	588
GI	7487609	Score	174
Exons	1..32, 142..588		
GI Descrip.	hypothetical protein T3F12.2 - Arabidopsis thaliana gi|2565011|gb|AAB81881.1|AAB81881 (AC002983) putative MuDR-A-like transposon protein [Arabidopsis thaliana] gi|7267510|emb|CAB77993.1| (AL161512) putative MuDR-A-like transposon protein [Arabidopsis thaliana]		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105819	Strand	-
Start	1867	End	2448
Name	OJ000208_18.0417.C14.o2.gs	Method	GENSCAN
Start	1867	End	2448
GI	none	Score	.48
Exons	1867..2448		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105820	Strand	-
Start	2982	End	5019
Name	OJ000208_18.0417.C14.o1.tw	Method	TBLASTX:Wheat
Start	598	End	826
GI	none	Score	221
Exons	598..756, 599..826, 599..796		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105820	Strand	-
Start	2982	End	5019
Name	OJ000208_18.0417.C14.o2.tm	Method	TBLASTX:Maize
Start	599	End	883
GI	none	Score	113
Exons	599..709, 604..690, 698..775, 709..762, 776..883, 781..873		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105820	Strand	-
Start	2982	End	5019

Name	OJ000208_18.0417.C14.o1.tm	Method	TBLASTX:Maize
Start	1054	End	1443
GI	none	Score	69
Exons	1054..1128, 1114..1443, 1125..1223		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105820	Strand	-
Start	2982	End	5019
Name	OJ000208_18.0417.C14.o2.np	Method	AAT/NAP
Start	2982	End	5019
GI	6063554	Score	126
Exons	2982..3157, 4977..5019		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49789	Seq. ID	OJ000208_18.0417.C14
Gene No.	105820	Strand	-
Start	2982	End	5019
Name	OJ000208_18.0417.C14.o1.gp	Method	AAT/GAP
Start	3595	End	3830
GI	101153_1.R1084	Score	276
Exons	3595..3830		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49790	Seq. ID	OJ000208_18.0417.C15
Gene No.	105821	Strand	+
Start	148	End	414
Name	OJ000208_18.0417.C15.o1.gs	Method	GENSCAN
Start	148	End	414
GI	none	Score	.44
Exons	148..414		

Seq. No.	49790	Seq. ID	OJ000208_18.0417.C15
Gene No.	105822	Strand	-
Start	1114	End	2329
Name	OJ000208_18.0417.C15.o2.gs	Method	GENSCAN
Start	1114	End	2329
GI	none	Score	.8
Exons	1114..1127, 1485..1671, 2219..2329		

Seq. No.	49791	Seq. ID	OJ000208_18.0417.C18
Gene No.	105823	Strand	+
Start	5563	End	7078
Name	OJ000208_18.0417.C18.o2.gs	Method	GENSCAN
Start	5563	End	7078
GI	none	Score	.98
Exons	5563..5722, 6253..6408, 6541..6672, 6810..6875, 6953..7078		

Seq. No.	49791	Seq. ID	OJ000208_18.0417.C18
Gene No.	105824	Strand	-
Start	1	End	5525
Name	OJ000208_18.0417.C18.o1.np	Method	AAT/NAP
Start	1	End	5525
GI	7452450	Score	90
Exons	1..41, 1837..1885, 1990..2073, 2914..3116, 5503..5525		

GI Descrip. hypothetical protein F28A23.180 - Arabidopsis thaliana gi|2911056|emb|CAA17566.1| (AL021961) hypothetical protein [Arabidopsis thaliana] gi|7270355|emb|CAB80123.1| (AL161584) hypothetical protein [Arabidopsis thaliana]

Seq. No.	49791	Seq. ID	OJ000208_18.0417.C18
Gene No.	105824	Strand	-
Start	1	End	5525
Name	OJ000208_18.0417.C18.o1.gs	Method	GENSCAN
Start	250	End	4676
GI	none	Score	.49
Exons	250..348, 1318..1885, 1990..2080, 2921..4417, 4640..4676		

Seq. No.	49791	Seq. ID	OJ000208_18.0417.C18
Gene No.	105824	Strand	-
Start	1	End	5525
Name	OJ000208_18.0417.C18.o1.gp	Method	AAT/GAP
Start	1746	End	3361
GI	4715757	Score	1141
Exons	1746..1885, 1990..2080, 2921..3361		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105825	Strand	+
Start	1	End	635
Name	OJ000208_18.0417.C19.o1.np	Method	AAT/NAP
Start	1	End	623
GI	6539555	Score	546
Exons	1..213, 318..623		

GI Descrip. (AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105825	Strand	+
Start	1	End	635
Name	OJ000208_18.0417.C19.o1.gs	Method	GENSCAN
Start	360	End	635
GI	none	Score	.62
Exons	360..635		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105826	Strand	+
Start	1328	End	1436
Name	OJ000208_18.0417.C19.o1.gp	Method	AAT/GAP
Start	1328	End	1436
GI	5867_1.R1084	Score	138
Exons	1328..1436		

GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105827	Strand	+

Start	9150	End	9676
Name	OJ000208_18.0417.C19.o3.gs	Method	GENSCAN
Start	9150	End	9676
GI	none	Score	.95
Exons	9150..9160, 9538..9676		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105828	Strand	+
Start	10809	End	11359
Name	OJ000208_18.0417.C19.o4.gs	Method	GENSCAN
Start	10809	End	11359
GI	none	Score	.64
Exons	10809..11158, 11227..11359		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105829	Strand	-
Start	1756	End	10374
Name	OJ000208_18.0417.C19.o2.gs	Method	GENSCAN
Start	1756	End	8349
GI	none	Score	.56
Exons	1756..1769, 2182..2410, 2834..2995, 5625..5801, 6182..6820, 6949..7083, 7128..7193, 8314..8349		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105829	Strand	-
Start	1756	End	10374
Name	OJ000208_18.0417.C19.o2.np	Method	AAT/NAP
Start	2135	End	4660
GI	6539556	Score	119
Exons	2135..2626, 4626..4660		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi|6539593|dbj|BAA88209.1| (AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105829	Strand	-
Start	1756	End	10374
Name	OJ000208_18.0417.C19.o2.gp	Method	AAT/GAP
Start	2855	End	3142
GI	3090601	Score	559
Exons	2855..3142		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105829	Strand	-
Start	1756	End	10374
Name	OJ000208_18.0417.C19.o3.np	Method	AAT/NAP
Start	2928	End	10374
GI	6523547	Score	170
Exons	2928..3302, 6257..6321, 6379..6790, 10353..10374		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105830	Strand	-
Start	12624	End	13518
Name	OJ000208_18.0417.C19.o1.tm	Method	TBLASTX:Maize
Start	12620	End	13170

GI	none	Score	41
Exons	12620..12658, 12694..12783, 12708..12791, 12768..12827, 12912..12962, 12918..12962, 12957..13145, 12960..13163, 12961..13170		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105830	Strand	-
Start	12624	End	13518
Name	OJ000208_18.0417.C19.o5.gs	Method	GENSCAN
Start	12624	End	13256
GI	none	Score	.98
Exons	12624..13256		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105830	Strand	-
Start	12624	End	13518
Name	OJ000208_18.0417.C19.o4.np	Method	AAT/NAP
Start	12627	End	13518
GI	7488121	Score	257
Exons	12627..13518		
GI Descrip.	probable heat shock transcription factor - Arabidopsis thaliana gi|2244754|emb|CAB10177.1| (Z97335) heat shock transcription factor like protein [Arabidopsis thaliana] gi|7268102|emb|CAB78440.1| (AL161537) heat shock transcription factor like protein [Arabidopsis thaliana]		

Seq. No.	49792	Seq. ID	OJ000208_18.0417.C19
Gene No.	105830	Strand	-
Start	12624	End	13518
Name	OJ000208_18.0417.C19.o3.gp	Method	AAT/GAP
Start	13127	End	13348
GI	LIB3433-026-P1-K1-D8	Score	418
Exons	13127..13348		
GI Descrip.	'2244754/emb|CAB10177.1| 9.0e-21 (Z97335) heat shock transcription factor like protein [Arabidopsis thaliana]'		

Seq. No.	49793	Seq. ID	OJ000208_18.0417.C20
Gene No.	105831	Strand	+
Start	1	End	1249
Name	OJ000208_18.0417.C20.o1.gp	Method	AAT/GAP
Start	1	End	506
GI	none	Score	363
Exons	1..53, 148..238, 330..398, 478..506		

Seq. No.	49793	Seq. ID	OJ000208_18.0417.C20
Gene No.	105831	Strand	+
Start	1	End	1249
Name	OJ000208_18.0417.C20.o1.np	Method	AAT/NAP
Start	1	End	1249
GI	6143875	Score	161
Exons	1..53, 148..238, 478..518, 620..698, 1186..1249		
GI Descrip.	(AC010927) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49793	Seq. ID	OJ000208_18.0417.C20
Gene No.	105831	Strand	+
Start	1	End	1249
Name	OJ000208_18.0417.C20.o1.tm	Method	TBLASTX:Maize

Start	3	End	680
GI	none	Score	70
Exons	3..56, 5..55, 139..177, 142..177, 176..205, 177..206, 331..399, 332..400, 333..434, 478..516, 479..517, 612..680, 619..678		

Seq. No.	49793	Seq. ID	OJ000208_18.0417.C20
Gene No.	105831	Strand	+
Start	1	End	1249
Name	OJ000208_18.0417.C20.o1.ts	Method	TBLASTX:Soybean
Start	177	End	698
GI	5606759	Score	73
Exons	177..239, 312..404, 331..399, 478..516, 479..517, 621..698, 622..696		
GI Descrip.	2911056/emb_CAA17566_ 7.0e-17 (AL021961) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49794	Seq. ID	OJ000208_18.0417.C22
Gene No.	105832	Strand	+
Start	47	End	236
Name	OJ000208_18.0417.C22.o1.gp	Method	AAT/GAP
Start	47	End	236
GI	uC-osrocyp016b02a1	Score	342
Exons	47..236		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	49794	Seq. ID	OJ000208_18.0417.C22
Gene No.	105833	Strand	-
Start	222	End	823
Name	OJ000208_18.0417.C22.o1.gs	Method	GENSCAN
Start	222	End	651
GI	none	Score	.51
Exons	222..333, 523..651		

Seq. No.	49794	Seq. ID	OJ000208_18.0417.C22
Gene No.	105833	Strand	-
Start	222	End	823
Name	OJ000208_18.0417.C22.o1.tm	Method	TBLASTX:Maize
Start	378	End	822
GI	none	Score	59
Exons	378..434, 382..429, 519..653, 521..652, 525..653, 526..654, 747..821, 748..822		

Seq. No.	49794	Seq. ID	OJ000208_18.0417.C22
Gene No.	105833	Strand	-
Start	222	End	823
Name	OJ000208_18.0417.C22.o1.np	Method	AAT/NAP
Start	381	End	823
GI	7110148	Score	287
Exons	381..417, 523..651, 748..823		
GI Descrip.	(AF168748) DNA repair-recombination protein [Arabidopsis thaliana]		

Seq. No.	49795	Seq. ID	OJ000328_11.0419.C1
Gene No.	105834	Strand	+
Start	1	End	732

Name	OJ000328_11.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	732
GI	3935150	Score	108
Exons	1..69, 364..513, 694..732		
GI Descrip.	(AC005106) T25N20.14 [Arabidopsis thaliana]		

Seq. No.	49795	Seq. ID	OJ000328_11.0419.C1
Gene No.	105834	Strand	+
Start	1	End	732
Name	OJ000328_11.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	369	End	507
GI	none	Score	197
Exons	369..500, 374..499, 379..507		

Seq. No.	49795	Seq. ID	OJ000328_11.0419.C1
Gene No.	105834	Strand	+
Start	1	End	732
Name	OJ000328_11.0419.C1.o1.gs	Method	GENSCAN
Start	376	End	497
GI	none	Score	.75
Exons	376..497		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105835	Strand	+
Start	1	End	1153
Name	OJ000328_11.0419.C2.o1.gp	Method	AAT/GAP
Start	1	End	1153
GI	18636_1.R1084	Score	1061
Exons	1..56, 664..1153		
GI Descrip.	'3935150 2.0e-30 (AC005106) T25N20.14 [Arabidopsis thaliana]'		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105835	Strand	+
Start	1	End	1153
Name	OJ000328_11.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	807
GI	3935150	Score	207
Exons	1..56, 664..807		
GI Descrip.	(AC005106) T25N20.14 [Arabidopsis thaliana]		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105835	Strand	+
Start	1	End	1153
Name	OJ000328_11.0419.C2.o1.gs	Method	GENSCAN
Start	664	End	822
GI	none	Score	1
Exons	664..822		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105836	Strand	+
Start	1482	End	4744
Name	OJ000328_11.0419.C2.o3.np	Method	AAT/NAP
Start	1482	End	4390
GI	3283026	Score	121
Exons	1482..1504, 3761..3912, 3996..4390		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105836	Strand	+
Start	1482	End	4744
Name	OJ000328_11.0419.C2.o2.gs	Method	GENSCAN
Start	2254	End	4744
GI	none	Score	.49
Exons	2254..2264, 3111..3241, 3506..3660, 4553..4744		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105837	Strand	-
Start	3337	End	5428
Name	OJ000328_11.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	900
GI	none	Score	101
Exons	1..57, 3..56, 6..98, 661..828, 661..828, 662..829, 662..832, 663..848, 850..900		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105837	Strand	-
Start	3337	End	5428
Name	OJ000328_11.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	6	End	821
GI	none	Score	91
Exons	6..56, 661..804, 663..821, 663..794		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105837	Strand	-
Start	3337	End	5428
Name	OJ000328_11.0419.C2.o2.np	Method	AAT/NAP
Start	3337	End	5428
GI	7340868	Score	90
Exons	3337..3637, 5405..5428		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105837	Strand	-
Start	3337	End	5428
Name	OJ000328_11.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	4492	End	4953
GI	none	Score	80
Exons	4492..4539, 4493..4546, 4545..4595, 4547..4588, 4595..4660, 4595..4660, 4693..4953, 4695..4934		

Seq. No.	49796	Seq. ID	OJ000328_11.0419.C2
Gene No.	105837	Strand	-
Start	3337	End	5428
Name	OJ000328_11.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	4548	End	4944
GI	none	Score	50
Exons	4548..4595, 4610..4660, 4717..4944, 4738..4869		

Seq. No.	49797	Seq. ID	OJ000328_11.0419.C3
Gene No.	105838	Strand	+
Start	1134	End	5281
Name	OJ000328_11.0419.C3.o1.np	Method	AAT/NAP
Start	1134	End	5281
GI	5042463	Score	131

Exons	1134..1340, 2211..2422, 3082..3240, 3292..3374, 5256..5281		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	49797	Seq. ID	OJ000328_11.0419.C3
Gene No.	105839	Strand	-
Start	727	End	1456
Name	OJ000328_11.0419.C3.o1.gs	Method	GENSCAN
Start	727	End	1456
GI	none	Score	.9
Exons	727..898, 1305..1456		
Seq. No.	49797	Seq. ID	OJ000328_11.0419.C3
Gene No.	105840	Strand	-
Start	1869	End	4570
Name	OJ000328_11.0419.C3.o2.gs	Method	GENSCAN
Start	1869	End	4570
GI	none	Score	.52
Exons	1869..2124, 3157..3235, 4489..4570		
Seq. No.	49798	Seq. ID	OJ000328_11.0419.C4
Gene No.	105841	Strand	-
Start	332	End	2008
Name	OJ000328_11.0419.C4.o1.gs	Method	GENSCAN
Start	332	End	2008
GI	none	Score	.98
Exons	332..510, 1087..1241, 1688..1831, 1999..2008		
Seq. No.	49798	Seq. ID	OJ000328_11.0419.C4
Gene No.	105842	Strand	-
Start	2008	End	2576
Name	OJ000328_11.0419.C4.o1.np	Method	AAT/NAP
Start	2008	End	2576
GI	6815072	Score	759
Exons	2008..2576		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		
Seq. No.	49798	Seq. ID	OJ000328_11.0419.C4
Gene No.	105842	Strand	-
Start	2008	End	2576
Name	OJ000328_11.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	2101	End	2283
GI	none	Score	65
Exons	2101..2283, 2102..2281		
Seq. No.	49798	Seq. ID	OJ000328_11.0419.C4
Gene No.	105842	Strand	-
Start	2008	End	2576
Name	OJ000328_11.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	2209	End	2552
GI	none	Score	52
Exons	2209..2298, 2212..2292, 2330..2551, 2412..2552		
Seq. No.	49798	Seq. ID	OJ000328_11.0419.C4
Gene No.	105842	Strand	-
Start	2008	End	2576
Name	OJ000328_11.0419.C4.o1.tc	Method	TBLASTX:Cress

Start	2327	End	2554
GI	none	Score	78
Exons	2327..2554, 2409..2543		

Seq. No.	49798	Seq. ID	OJ000328_11.0419.C4
Gene No.	105842	Strand	-
Start	2008	End	2576
Name	OJ000328_11.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	2375	End	2557
GI	none	Score	65
Exons	2375..2557, 2379..2549		

Seq. No.	49799	Seq. ID	OJ000328_11.0419.C5
Gene No.	105843	Strand	+
Start	94	End	204
Name	OJ000328_11.0419.C5.o1.gs	Method	GENSCAN
Start	94	End	204
GI	none	Score	.6
Exons	94..204		

Seq. No.	49799	Seq. ID	OJ000328_11.0419.C5
Gene No.	105844	Strand	+
Start	5139	End	7128
Name	OJ000328_11.0419.C5.o3.gs	Method	GENSCAN
Start	5139	End	7128
GI	none	Score	.9
Exons	5139..5308, 5338..6242, 7100..7128		

Seq. No.	49799	Seq. ID	OJ000328_11.0419.C5
Gene No.	105845	Strand	-
Start	549	End	4952
Name	OJ000328_11.0419.C5.o2.gs	Method	GENSCAN
Start	549	End	4952
GI	none	Score	.64
Exons	549..661, 1693..1867, 3409..3755, 4617..4781, 4895..4952		

Seq. No.	49800	Seq. ID	OJ000328_11.0419.C7
Gene No.	105846	Strand	+
Start	400	End	901
Name	OJ000328_11.0419.C7.o1.gs	Method	GENSCAN
Start	400	End	901
GI	none	Score	.89
Exons	400..477, 740..901		

Seq. No.	49800	Seq. ID	OJ000328_11.0419.C7
Gene No.	105847	Strand	-
Start	936	End	2421
Name	OJ000328_11.0419.C7.o1.gp	Method	AAT/GAP
Start	936	End	2218
GI	none	Score	792
Exons	936..1237, 1321..1395, 2178..2218		

Seq. No.	49800	Seq. ID	OJ000328_11.0419.C7
Gene No.	105847	Strand	-
Start	936	End	2421
Name	OJ000328_11.0419.C7.o2.gs	Method	GENSCAN
Start	1329	End	2421

GI	none	Score	.5
Exons	1329..1395, 2264..2421		

Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105848	Strand	-
Start	466	End	2631
Name	OJ000328_11.0419.C8.o1.np	Method	AAT/NAP
Start	461	End	2631
GI	6016874	Score	1794
Exons	461..800, 912..1091, 1485..1644, 2035..2267, 2332..2469, 2553..2631		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105848	Strand	-
Start	466	End	2631
Name	OJ000328_11.0419.C8.o1.gs	Method	GENSCAN
Start	466	End	2631
GI	none	Score	.75
Exons	466..857, 912..1091, 1485..1644, 2179..2267, 2332..2431, 2482..2631		

Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105848	Strand	-
Start	466	End	2631
Name	OJ000328_11.0419.C8.o1.gp	Method	AAT/GAP
Start	1434	End	1942
GI	uC-osflcyp110c07b1	Score	966
Exons	1434..1942		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105849	Strand	-
Start	3018	End	4270
Name	OJ000328_11.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	523	End	756
GI	none	Score	95
Exons	523..756, 608..754		

Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105849	Strand	-
Start	3018	End	4270
Name	OJ000328_11.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	842	End	1224
GI	none	Score	135
Exons	842..1213, 943..1224		

Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105849	Strand	-
Start	3018	End	4270
Name	OJ000328_11.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	1429	End	1743
GI	none	Score	108

Exons	1429..1656, 1430..1648, 1669..1743		
Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105849	Strand	-
Start	3018	End	4270
Name	OJ000328_11.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	1837	End	2283
GI	none	Score	110
Exons	1837..1875, 1870..1926, 1963..2211, 2003..2212, 2197..2283		
Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105849	Strand	-
Start	3018	End	4270
Name	OJ000328_11.0419.C8.o2.gs	Method	GENSCAN
Start	3018	End	4270
GI	none	Score	.69
Exons	3018..3239, 3439..3502, 3962..3998, 4207..4270		
Seq. No.	49801	Seq. ID	OJ000328_11.0419.C8
Gene No.	105849	Strand	-
Start	3018	End	4270
Name	OJ000328_11.0419.C8.o2.np	Method	AAT/NAP
Start	3030	End	3258
GI	6907084	Score	123
Exons	3030..3135, 3188..3258		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	49802	Seq. ID	OJ000328_11.0419.C9
Gene No.	105850	Strand	-
Start	4686	End	6564
Name	OJ000328_11.0419.C9.o1.np	Method	AAT/NAP
Start	4686	End	6564
GI	542176	Score	404
Exons	4686..4774, 5452..5676, 6166..6564		
GI Descrip.	probable finger protein WZF1 - wheat gi|485814|dbj|BAA03901| (D16415) WZF1 [Triticum aestivum] gi|485816|dbj|BAA03902| (D16416) WZF1 [Triticum aestivum]		
Seq. No.	49802	Seq. ID	OJ000328_11.0419.C9
Gene No.	105850	Strand	-
Start	4686	End	6564
Name	OJ000328_11.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	5519	End	6472
GI	none	Score	70
Exons	5519..5578, 5521..5562, 5535..5579, 5579..5608, 5580..5642, 5633..5701, 5634..5696, 6176..6325, 6200..6253, 6214..6324, 6310..6441, 6311..6433, 6380..6472		
Seq. No.	49802	Seq. ID	OJ000328_11.0419.C9
Gene No.	105850	Strand	-
Start	4686	End	6564
Name	OJ000328_11.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	5544	End	6546
GI	none	Score	54
Exons	5544..5579, 5545..5571, 5579..5620, 5583..5621, 5642..5701, 5643..5696, 6223..6336, 6224..6319, 6319..6348, 6320..6439, 6380..6475, 6421..6546		

Seq. No.	49802	Seq. ID	OJ000328_11.0419.C9
Gene No.	105850	Strand	-
Start	4686	End	6564
Name	OJ000328_11.0419.C9.o1.gp	Method	AAT/GAP
Start	5861	End	6070
GI	16349_1.R1084	Score	352
Exons	5861..6070		
GI Descrip.	'542176/pir||S39045 2.0e-79 probable finger protein WZF1 - wheat >gi_485814_dbj_BAA03901_ (D16415) WZF1 [Triticum aestivum] >gi_485816_dbj_BAA03902_ (D16416) WZF1 [Triticum aestivum]'		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105851	Strand	+
Start	560	End	847
Name	OJ000328_11.0419.C10.o1.gp	Method	AAT/GAP
Start	560	End	847
GI	428537	Score	533
Exons	560..847		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o1.gs	Method	GENSCAN
Start	667	End	17421
GI	none	Score	.71
Exons	667..1029, 1140..2277, 2448..2726, 2859..3121, 5476..5653, 5929..6129, 6644..6907, 8251..8321, 11903..11946, 13142..13211, 15508..15687, 15699..15974, 17311..17421		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o1.np	Method	AAT/NAP
Start	933	End	6852
GI	7489108	Score	2134
Exons	933..1032, 1150..2277, 2448..2726, 2859..3121, 5476..5653, 5929..6129, 6644..6852		
GI Descrip.	chloride channel protein ClC-1 - common tobacco gi|1360090|emb|CAA64829.1| (X95576) ClC-Nt1 [Nicotiana tabacum]		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	951	End	6759
GI	none	Score	90
Exons	951..1019, 952..1020, 1146..1355, 1198..1362, 1423..1644, 1467..1709, 1687..2010, 1776..2123, 2038..2112, 2173..2241, 2175..2276, 2441..2497, 2442..2552, 2565..2726, 2585..2731, 2856..2912, 2858..3127, 2994..3128, 5471..5644, 5473..5652, 5925..6140, 5938..6129, 6643..6759		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o2.gp	Method	AAT/GAP

Start	968	End	1708
GI	16019_1.R1084	Score	1188
Exons	968..1019, 1140..1708		
GI Descrip.	'1360090/emb|CAA64829| 7.0e-56 (X95576) C1C-Nt1 [Nicotiana tabacum]'		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	1146	End	1655
GI	none	Score	114
Exons	1146..1655, 1198..1362, 1420..1650		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	1164	End	1815
GI	none	Score	92
Exons	1164..1361, 1198..1347, 1420..1644, 1464..1709, 1687..1815, 1776..1814		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	1417	End	1710
GI	none	Score	187
Exons	1417..1710, 1464..1709		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	1662	End	2247
GI	none	Score	632
Exons	1662..1709, 1687..2247, 1776..2246		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	1978	End	2258
GI	none	Score	91
Exons	1978..2115, 1983..2123, 2178..2258		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o4.tm	Method	TBLASTX:Maize
Start	2441	End	3001
GI	none	Score	66
Exons	2441..2497, 2442..2528, 2520..2732, 2585..2731, 2856..2912, 2858..3001		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10

Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o3.gp	Method	AAT/GAP
Start	2559	End	5551
GI	uC-osflm202101a04b1	Score	918
Exons	2559..2726, 2859..3121, 5476..5551		
GI Descrip.	'1360090/emb|CAA64829| 2.0e-55 (X95576) C1C-Nt1 [Nicotiana tabacum]'		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o3.tm	Method	TBLASTX:Maize
Start	5445	End	5656
GI	none	Score	240
Exons	5445..5531, 5470..5655, 5471..5656, 5615..5656		

Seq. No.	49803	Seq. ID	OJ000328_11.0419.C10
Gene No.	105852	Strand	-
Start	667	End	17421
Name	OJ000328_11.0419.C10.o4.gp	Method	AAT/GAP
Start	5593	End	6811
GI	53382_1.R1084	Score	769
Exons	5593..5653, 5929..6129, 6644..6811		
GI Descrip.	'1655536/emb|CAA70310| 3.0e-20 (Y09095) chloride channel [Arabidopsis thaliana] >gi_1742957_emb_CAA96059_ (Z71447) CLC-c chloride channel protein [Arabidopsis thaliana]'		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105853	Strand	+
Start	1213	End	3169
Name	OJ000328_11.0419.C11.o1.gs	Method	GENSCAN
Start	1213	End	3169
GI	none	Score	.77
Exons	1213..1322, 3010..3169		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105854	Strand	+
Start	4101	End	6308
Name	OJ000328_11.0419.C11.o2.gs	Method	GENSCAN
Start	4101	End	6308
GI	none	Score	.92
Exons	4101..6308		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105854	Strand	+
Start	4101	End	6308
Name	OJ000328_11.0419.C11.o2.np	Method	AAT/NAP
Start	4602	End	5609
GI	6997197	Score	443
Exons	4602..5609		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105855	Strand	+
Start	9325	End	12832
Name	OJ000328_11.0419.C11.o1.gp	Method	AAT/GAP

Start	9325	End	12832
GI	4716292	Score	823
Exons	9325..9386, 9489..9571, 12517..12832		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105856	Strand	-
Start	6935	End	9173
Name	OJ000328_11.0419.C11.o3.gs	Method	GENSCAN
Start	6935	End	9173
GI	none	Score	.51
Exons	6935..7219, 7653..7826, 8991..9173		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105857	Strand	-
Start	18103	End	19727
Name	OJ000328_11.0419.C11.o2.gp	Method	AAT/GAP
Start	18103	End	19727
GI	none	Score	1013
Exons	18103..18323, 19421..19727		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105858	Strand	-
Start	20673	End	23431
Name	OJ000328_11.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	4281	End	6053
GI	none	Score	132
Exons	4281..4565, 4311..4460, 4413..4766, 4530..4889, 4581..4787, 4623..4973, 4665..4892, 4701..5072, 4715..4972, 4727..4984, 4764..5012, 4824..5183, 4832..5104, 4890..5105, 4920..5288, 5022..5222, 5042..5107, 5043..5387, 5100..5309, 5130..5501, 5174..5395, 5174..5404, 5199..5606, 5205..5402, 5301..5525, 5340..5702, 5415..5603, 5424..5513, 5439..5705, 5520..5702, 5751..6053		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105858	Strand	-
Start	20673	End	23431
Name	OJ000328_11.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	4311	End	6245
GI	none	Score	178
Exons	4311..4757, 4320..4877, 4404..4967, 4485..5087, 4575..5291, 4626..5192, 4733..5044, 4785..5498, 4845..5402, 5177..5350, 5244..5702, 5781..6098, 5781..6065, 5934..6242, 5982..6245		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105858	Strand	-
Start	20673	End	23431
Name	OJ000328_11.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	4311	End	5705
GI	none	Score	302
Exons	4311..5144, 4311..4952, 4319..4582, 4413..5258, 4527..4703, 4530..5384, 4611..5387, 4680..5072, 4716..4838, 4746..4919, 4775..4972, 4833..5675, 4869..5069, 4923..5702, 5136..5705, 5169..5339, 5325..5381, 5343..5705, 5441..5605, 5490..5654, 5498..5674		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11

Gene No.	105858	Strand	-
Start	20673	End	23431
Name	OJ000328_11.0419.C11.o3.tm	Method	TBLASTX:Maize
Start	15259	End	16004
GI	none	Score	67
Exons	15259..15357, 15266..15382, 15266..15376, 15266..15343, 15267..15365, 15269..15373, 15270..15368, 15271..15384, 15273..15347, 15380..15502, 15393..15512, 15397..15555, 15403..15549, 15406..15546, 15407..15544, 15411..15554, 15412..15531, 15413..15469, 15413..15541, 15414..15554, 15498..15599, 15590..15718, 15611..15727, 15611..15724, 15618..15719, 15618..15725, 15618..15728, 15618..15737, 15618..15731, 15619..15729, 15619..15747, 15621..15725, 15623..15727, 15633..15734, 15749..15874, 15758..15862, 15759..15863, 15766..15894, 15773..15865, 15774..15908, 15781..15876, 15802..15876, 15807..15926, 15898..15996, 15927..16004, 15929..15964		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105858	Strand	-
Start	20673	End	23431
Name	OJ000328_11.0419.C11.o5.gs	Method	GENSCAN
Start	20673	End	23431
GI	none	Score	.73
Exons	20673..20801, 20951..21001, 21876..22044, 22298..22356, 22407..22500, 23403..23431		

Seq. No.	49804	Seq. ID	OJ000328_11.0419.C11
Gene No.	105858	Strand	-
Start	20673	End	23431
Name	OJ000328_11.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	22275	End	22739
GI	none	Score	170
Exons	22275..22469, 22276..22401, 22521..22739		

Seq. No.	49805	Seq. ID	OJ000328_11.0419.C12
Gene No.	105859	Strand	+
Start	186	End	901
Name	OJ000328_11.0419.C12.o1.gs	Method	GENSCAN
Start	186	End	901
GI	none	Score	.55
Exons	186..271, 886..901		

Seq. No.	49806	Seq. ID	OJ000208_19.0419.C2
Gene No.	105860	Strand	+
Start	402	End	714
Name	OJ000208_19.0419.C2.o1.gs	Method	GENSCAN
Start	402	End	714
GI	none	Score	.5
Exons	402..482, 653..714		

Seq. No.	49807	Seq. ID	OJ000208_19.0419.C3
Gene No.	105861	Strand	+
Start	90	End	215
Name	OJ000208_19.0419.C3.o1.gs	Method	GENSCAN
Start	90	End	215
GI	none	Score	.77

Exons	90..215		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105862	Strand	+
Start	40	End	3182
Name	OJ000208_19.0419.C4.o1.np	Method	AAT/NAP
Start	40	End	3182
GI	7523406	Score	855
Exons	40..253, 635..791, 1004..1598, 1686..1879, 2001..2109, 2251..2399, 2503..2714, 3091..3182		
GI Descrip.	(AL138648) inositol-1, 4, 5-trisphosphate 5-Phosphatase-like protein [Arabidopsis thaliana]		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105862	Strand	+
Start	40	End	3182
Name	OJ000208_19.0419.C4.o1.gp	Method	AAT/GAP
Start	321	End	620
GI	none	Score	225
Exons	321..392, 519..620		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105862	Strand	+
Start	40	End	3182
Name	OJ000208_19.0419.C4.o1.gs	Method	GENSCAN
Start	957	End	2722
GI	none	Score	.76
Exons	957..1598, 1686..1879, 2001..2109, 2251..2399, 2503..2722		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105863	Strand	-
Start	3161	End	7845
Name	OJ000208_19.0419.C4.o2.gp	Method	AAT/GAP
Start	3160	End	3659
GI	none	Score	932
Exons	3160..3659		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105863	Strand	-
Start	3161	End	7845
Name	OJ000208_19.0419.C4.o2.gs	Method	GENSCAN
Start	3161	End	7845
GI	none	Score	.46
Exons	3161..3228, 3426..3945, 4452..4694, 4793..4891, 5043..5157, 5499..5533, 6519..6722, 7542..7671, 7784..7845		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105863	Strand	-
Start	3161	End	7845
Name	OJ000208_19.0419.C4.o2.np	Method	AAT/NAP
Start	3628	End	5511
GI	4309969	Score	655
Exons	3628..3945, 4452..4694, 4793..4891, 5043..5199, 5424..5511		
GI Descrip.	(AC002983) putative phosphoglyceride transfer protein [Arabidopsis thaliana] gi|7267511|emb|CAB77994.1| (AL161512) putative phosphoglyceride transfer protein [Arabidopsis thaliana]		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105863	Strand	-
Start	3161	End	7845
Name	OJ000208_19.0419.C4.o3.gp	Method	AAT/GAP
Start	4823	End	6625
GI	none	Score	666
Exons	4823..4891, 5043..5229, 5443..5533, 6519..6625		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o5.tm	Method	TBLASTX:Maize
Start	321	End	1367
GI	none	Score	66
Exons	321..392, 323..391, 323..409, 514..573, 515..580, 581..604, 582..605, 685..798, 685..792, 1002..1085, 1004..1126, 1005..1127, 1061..1114, 1115..1144, 1116..1145, 1193..1237, 1194..1238, 1236..1364, 1236..1367		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o5.tc	Method	TBLASTX:Cress
Start	685	End	2622
GI	none	Score	106
Exons	685..798, 1004..1105, 1005..1133, 2205..2414, 2245..2400, 2489..2620, 2503..2622		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o2.tc	Method	TBLASTX:Cress
Start	1452	End	2070
GI	none	Score	153
Exons	1452..1598, 1715..1870, 1716..1880, 1981..2070		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	1464	End	2070
GI	none	Score	161
Exons	1464..1598, 1464..1598, 1683..1880, 1685..1894, 1981..2070, 2001..2042		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o4.tm	Method	TBLASTX:Maize
Start	1464	End	2100
GI	none	Score	158
Exons	1464..1598, 1464..1598, 1683..1880, 1685..1894, 1981..2100, 2001..2039		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-

Start	8296	End	12651
Name	OJ000208_19.0419.C4.o6.tm	Method	TBLASTX:Maize
Start	2229	End	2653
GI	none	Score	193
Exons	2229..2405, 2245..2400, 2489..2653, 2495..2602, 2503..2625		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o4.ts	Method	TBLASTX:Soybean
Start	2245	End	2575
GI	none	Score	204
Exons	2245..2400, 2250..2405, 2489..2575, 2503..2574		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	2277	End	2740
GI	none	Score	193
Exons	2277..2414, 2278..2400, 2280..2402, 2441..2692, 2501..2686, 2503..2703, 2680..2739, 2681..2740, 2684..2713		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	3182	End	5569
GI	none	Score	52
Exons	3182..3247, 3183..3245, 3332..3385, 3422..3553, 3427..3561, 3492..3575, 3579..3647, 3688..3825, 3697..3948, 3704..3946, 3865..3948, 4449..4697, 4453..4698, 4453..4722, 4454..4705, 4777..4866, 4793..4882, 4800..4892, 5028..5102, 5041..5094, 5043..5096, 5079..5201, 5087..5206, 5087..5197, 5155..5205, 5416..5535, 5444..5569		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o7.tc	Method	TBLASTX:Cress
Start	4440	End	4697
GI	none	Score	60
Exons	4440..4568, 4468..4530, 4569..4697, 4576..4677		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o3.ts	Method	TBLASTX:Soybean
Start	4455	End	4673
GI	none	Score	176
Exons	4455..4673, 4465..4671, 4467..4673		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o4.gp	Method	AAT/GAP
Start	8296	End	9012

GI	none	Score	1426
Exons	8296..9012		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o3.gs	Method	GENSCAN
Start	8537	End	12620
GI	none	Score	.65
Exons	8537..9189, 9225..10025, 10810..10907, 11026..11195, 11299..11598, 12210..12620		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o6.tc	Method	TBLASTX:Cress
Start	8538	End	8867
GI	none	Score	143
Exons	8538..8867, 8561..8866		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o3.np	Method	AAT/NAP
Start	8540	End	12587
GI	6573772	Score	1941
Exons	8540..9135, 9225..9989, 10810..10893, 11328..11598, 12210..12587		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	8549	End	10907
GI	none	Score	82
Exons	8549..8731, 8556..8666, 8756..8866, 8915..9136, 8967..9137, 9203..9532, 9223..9531, 9532..9990, 9545..9820, 9878..9991, 10796..10906, 10806..10907		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	8549	End	12486
GI	none	Score	98
Exons	8549..8716, 8744..8839, 8963..9091, 8976..9095, 9098..9136, 9108..9137, 9223..9990, 9229..9495, 9293..9532, 9586..9873, 9611..9946, 10787..10906, 10788..10907, 11023..11196, 11025..11207, 11296..11385, 11297..11407, 11419..11565, 11420..11611, 11554..11616, 12187..12486, 12207..12485		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	8993	End	11135
GI	none	Score	49

Exons	8993..9055, 9092..9124, 9098..9136, 9223..9831, 9238..9369, 9299..9532, 9474..9557, 9847..9990, 10787..10906, 11025..11135		
Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o5.gp	Method	AAT/GAP
Start	9074	End	9676
GI	uC-osflcyp034e09b1	Score	979
Exons	9074..9135, 9225..9676		
GI Descrip.	'2181180/emb|CAB06417| 6.0e-24 (Z84377) xylosidase [Aspergillus niger]'		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o6.gp	Method	AAT/GAP
Start	9720	End	11195
GI	75245_1.R1084	Score	979
Exons	9720..9989, 10809..10907, 11026..11195		
GI Descrip.	'2723496/dbj|BAA24107| 7.0e-18 (AB009972) beta-1,4-xylosidase [Aspergillus oryzae]'		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o7.tm	Method	TBLASTX:Maize
Start	11022	End	11323
GI	none	Score	151
Exons	11022..11156, 11023..11196, 11023..11196, 11024..11197, 11025..11210, 11287..11322, 11297..11323		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o3.tc	Method	TBLASTX:Cress
Start	11136	End	11554
GI	none	Score	68
Exons	11136..11207, 11137..11196, 11296..11427, 11297..11395, 11422..11550, 11429..11554		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o3.tm	Method	TBLASTX:Maize
Start	11425	End	12527
GI	none	Score	263
Exons	11425..11616, 11426..11599, 11443..11616, 12187..12507, 12190..12267, 12207..12506, 12501..12527		

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o7.gp	Method	AAT/GAP
Start	11487	End	12651
GI	31075_1.R1084	Score	1084
Exons	11487..11598, 12210..12651		

GI Descrip. '5690010/emb|CAB51937.1| 3.0e-26 (AJ132472) Family 3 Glycoside Hydrolase [Ruminococcus flavefaciens]'

Seq. No.	49808	Seq. ID	OJ000208_19.0419.C4
Gene No.	105864	Strand	-
Start	8296	End	12651
Name	OJ000208_19.0419.C4.o4.tc	Method	TBLASTX:Cress
Start	11554	End	12486
GI	none	Score	61
Exons	11554..11616, 11555..11599, 12207..12485, 12241..12486		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105865	Strand	+
Start	994	End	1063
Name	OJ000208_19.0419.C5.o1.gs	Method	GENSCAN
Start	994	End	1063
GI	none	Score	.79
Exons	994..1063		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105866	Strand	+
Start	6793	End	7200
Name	OJ000208_19.0419.C5.o3.gs	Method	GENSCAN
Start	6793	End	7200
GI	none	Score	.7
Exons	6793..7200		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105867	Strand	-
Start	2855	End	5304
Name	OJ000208_19.0419.C5.o2.gs	Method	GENSCAN
Start	2855	End	5304
GI	none	Score	.54
Exons	2855..2977, 3595..3782, 3839..4019, 4953..5037, 5300..5304		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105868	Strand	-
Start	5611	End	11003
Name	OJ000208_19.0419.C5.o1.gp	Method	AAT/GAP
Start	5611	End	8464
GI	none	Score	863
Exons	5611..5777, 7933..8117, 8227..8280, 8379..8464		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105868	Strand	-
Start	5611	End	11003
Name	OJ000208_19.0419.C5.o4.gs	Method	GENSCAN
Start	7699	End	11003
GI	none	Score	.71
Exons	7699..7707, 7933..8117, 8227..8248, 8379..9068, 9478..9585, 10992..11003		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105869	Strand	-
Start	12018	End	14079
Name	OJ000208_19.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	5713	End	8415

GI	none	Score	82
Exons	5713..5775, 5718..5777, 7918..8106, 7934..8122, 7934..8122, 7935..8123, 8227..8271, 8228..8281, 8231..8281, 8362..8409, 8371..8415		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105869	Strand	-
Start	12018	End	14079
Name	OJ000208_19.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	8606	End	9074
GI	none	Score	130
Exons	8606..8836, 8609..8776, 8641..8826, 8673..8840, 8701..8841, 8868..8900, 8869..8901, 8909..9055, 8910..9074, 8913..9065		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105869	Strand	-
Start	12018	End	14079
Name	OJ000208_19.0419.C5.o2.np	Method	AAT/NAP
Start	12018	End	14079
GI	6721561	Score	129
Exons	12018..12035, 13989..14079		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105869	Strand	-
Start	12018	End	14079
Name	OJ000208_19.0419.C5.o1.np	Method	AAT/NAP
Start	12692	End	13215
GI	7228450	Score	230
Exons	12692..12812, 12898..13038, 13172..13215		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49809	Seq. ID	OJ000208_19.0419.C5
Gene No.	105869	Strand	-
Start	12018	End	14079
Name	OJ000208_19.0419.C5.o2.gp	Method	AAT/GAP
Start	13374	End	13482
GI	uC-osflcyp088b12b1	Score	146
Exons	13374..13482		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	49810	Seq. ID	OJ000208_19.0419.C6
Gene No.	105870	Strand	+
Start	1	End	1395
Name	OJ000208_19.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	1395
GI	7106516	Score	119
Exons	1..32, 1225..1395		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	49810	Seq. ID	OJ000208_19.0419.C6
Gene No.	105871	Strand	+

Start	1873	End	1982
Name	OJ000208_19.0419.C6.o2.np	Method	AAT/NAP
Start	1873	End	1982
GI	5852093	Score	57
Exons	1873..1982		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	49811	Seq. ID	OJ000208_19.0419.C7
Gene No.	105872	Strand	+
Start	74	End	3639
Name	OJ000208_19.0419.C7.o1.gs	Method	GENSCAN
Start	74	End	3639
GI	none	Score	.71
Exons	74..454, 575..699, 750..1115, 1234..1403, 1497..1774, 1891..2034, 2596..2736, 3520..3639		

Seq. No.	49811	Seq. ID	OJ000208_19.0419.C7
Gene No.	105872	Strand	+
Start	74	End	3639
Name	OJ000208_19.0419.C7.o1.np	Method	AAT/NAP
Start	185	End	1451
GI	4263770	Score	713
Exons	185..454, 575..687, 801..1115, 1234..1451		
GI Descrip.	(AC006218) unknown protein [Arabidopsis thaliana]		

Seq. No.	49811	Seq. ID	OJ000208_19.0419.C7
Gene No.	105873	Strand	+
Start	5026	End	5265
Name	OJ000208_19.0419.C7.o2.gs	Method	GENSCAN
Start	5026	End	5265
GI	none	Score	.52
Exons	5026..5265		

Seq. No.	49811	Seq. ID	OJ000208_19.0419.C7
Gene No.	105874	Strand	-
Start	6332	End	6677
Name	OJ000208_19.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	584	End	1266
GI	none	Score	153
Exons	584..700, 586..699, 798..1115, 811..1113, 1231..1266		

Seq. No.	49811	Seq. ID	OJ000208_19.0419.C7
Gene No.	105874	Strand	-
Start	6332	End	6677
Name	OJ000208_19.0419.C7.o3.gs	Method	GENSCAN
Start	6332	End	6677
GI	none	Score	.84
Exons	6332..6517, 6579..6677		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105875	Strand	+
Start	5536	End	6552
Name	OJ000208_19.0419.C8.o1.gp	Method	AAT/GAP
Start	4982	End	5783
GI	none	Score	1564
Exons	4982..5783		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105875	Strand	+
Start	5536	End	6552
Name	OJ000208_19.0419.C8.o2.gs	Method	GENSCAN
Start	5536	End	6552
GI	none	Score	.78
Exons	5536..6552		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105875	Strand	+
Start	5536	End	6552
Name	OJ000208_19.0419.C8.o1.np	Method	AAT/NAP
Start	5557	End	6549
GI	6573771	Score	498
Exons	5557..5795, 5850..6549		
GI Descrip.	(AC009243) F28K19.29 [Arabidopsis thaliana]		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105876	Strand	-
Start	6271	End	6905
Name	OJ000208_19.0419.C8.o2.gp	Method	AAT/GAP
Start	6271	End	6905
GI	none	Score	1219
Exons	6271..6905		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	4978	End	5636
GI	none	Score	131
Exons	4978..5046, 4979..5101, 4980..5114, 4981..5112, 5179..5295, 5190..5288, 5313..5339, 5320..5337, 5400..5438, 5405..5440, 5529..5564, 5530..5565, 5563..5595, 5565..5594, 5592..5636, 5593..5631		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	4996	End	5346
GI	none	Score	74
Exons	4996..5055, 5000..5056, 5052..5114, 5081..5128, 5082..5129, 5154..5183, 5155..5187, 5206..5346, 5227..5328, 5241..5345		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	5700	End	6401
GI	none	Score	36
Exons	5700..5720, 5782..5856, 5844..5924, 5877..5984, 5953..5985, 6027..6101, 6028..6378, 6040..6117, 6207..6401		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658

Name	OJ000208_19.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	5850	End	6315
GI	none	Score	343
Exons	5850..5894, 5913..5936, 5953..6243, 6033..6101, 6040..6117, 6244..6315		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	5853	End	6537
GI	none	Score	321
Exons	5853..5912, 5943..5981, 6031..6243, 6033..6101, 6040..6117, 6244..6297, 6484..6537		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	6040	End	6210
GI	none	Score	184
Exons	6040..6210		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	6445	End	6880
GI	none	Score	168
Exons	6445..6537, 6453..6569, 6483..6566, 6497..6574, 6629..6703, 6660..6707, 6672..6704, 6792..6824, 6794..6823, 6796..6825, 6820..6867, 6821..6880, 6821..6880		

Seq. No.	49812	Seq. ID	OJ000208_19.0419.C8
Gene No.	105877	Strand	-
Start	9544	End	10658
Name	OJ000208_19.0419.C8.o3.gs	Method	GENSCAN
Start	9544	End	10658
GI	none	Score	.55
Exons	9544..9617, 9777..9847, 10327..10658		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105878	Strand	+
Start	1471	End	10589
Name	OJ000208_19.0419.C10.o1.gs	Method	GENSCAN
Start	1471	End	10589
GI	none	Score	.61
Exons	1471..1704, 1857..1997, 2108..2179, 2264..2341, 2434..2487, 2613..2714, 2863..2940, 3073..3142, 3343..3413, 3577..3715, 3780..3903, 5959..6099, 6270..6312, 7501..7605, 10452..10589		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105878	Strand	+
Start	1471	End	10589
Name	OJ000208_19.0419.C10.o1.np	Method	AAT/NAP
Start	1881	End	3833
GI	4567205	Score	733

Exons	1881..1997, 2108..2179, 2264..2341, 2416..2487, 2613..2714, 2863..2940, 3073..3142, 3343..3413, 3577..3669, 3780..3833		
GI Descrip.	(AC007168) putative trehalose-6-phosphate phosphatase [Arabidopsis thaliana]		
Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105878	Strand	+
Start	1471	End	10589
Name	OJ000208_19.0419.C10.o1.gp	Method	AAT/GAP
Start	2594	End	3391
GI	921_1.R1084	Score	565
Exons	2594..2714, 2863..2940, 3073..3142, 3343..3391		
GI Descrip.	'2618601/dbj|AB008266.1|AB008266 1.0e-08 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MHJ24, complete sequence'		
Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105879	Strand	+
Start	11385	End	13607
Name	OJ000208_19.0419.C10.o2.gs	Method	GENSCAN
Start	11385	End	13255
GI	none	Score	.77
Exons	11385..11790, 12808..12958, 13073..13124, 13148..13255		
Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105879	Strand	+
Start	11385	End	13607
Name	OJ000208_19.0419.C10.o2.gp	Method	AAT/GAP
Start	11722	End	13607
GI	3760858	Score	1121
Exons	11722..11790, 12808..12959, 13073..13490, 13577..13607		
GI Descrip.	2618601/dbj|AB008266.1|AB008266 1.0e-08 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MHJ24, complete sequence		
Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105880	Strand	+
Start	14275	End	15461
Name	OJ000208_19.0419.C10.o2.np	Method	AAT/NAP
Start	14275	End	15461
GI	7487209	Score	435
Exons	14275..14347, 14998..15461		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		
Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105880	Strand	+
Start	14275	End	15461
Name	OJ000208_19.0419.C10.o3.gp	Method	AAT/GAP
Start	14731	End	15200
GI	68664_1.R1084	Score	758
Exons	14731..14885, 14952..15200		
GI Descrip.	'3080442/emb|CAA18759.1| 1.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		
Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105881	Strand	+

Start	15436	End	15682
Name	OJ000208_19.0419.C10.o4.gp	Method	AAT/GAP
Start	15436	End	15682
GI	3762221	Score	366
Exons	15436..15682		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105882	Strand	+
Start	21787	End	22724
Name	OJ000208_19.0419.C10.o3.np	Method	AAT/NAP
Start	21769	End	22721
GI	6587859	Score	332
Exons	21769..22721		
GI Descrip.	(AC012680) unknown protein [Arabidopsis thaliana]		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105882	Strand	+
Start	21787	End	22724
Name	OJ000208_19.0419.C10.o5.gs	Method	GENSCAN
Start	21787	End	22724
GI	none	Score	.52
Exons	21787..22458, 22515..22724		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105883	Strand	+
Start	30520	End	31742
Name	OJ000208_19.0419.C10.o7.gs	Method	GENSCAN
Start	30520	End	31742
GI	none	Score	.6
Exons	30520..30588, 31506..31742		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105884	Strand	+
Start	32367	End	33598
Name	OJ000208_19.0419.C10.o8.gs	Method	GENSCAN
Start	32367	End	33598
GI	none	Score	.54
Exons	32367..32457, 33543..33598		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105885	Strand	+
Start	34847	End	35419
Name	OJ000208_19.0419.C10.o9.gs	Method	GENSCAN
Start	34847	End	35419
GI	none	Score	.86
Exons	34847..35419		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105886	Strand	+
Start	42525	End	45295
Name	OJ000208_19.0419.C10.o11.gs	Method	GENSCAN
Start	42525	End	45295
GI	none	Score	.72
Exons	42525..42572, 43092..43326, 43424..43598, 43694..43907, 44129..44773, 44940..45076, 45181..45295		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10

Gene No.	105887	Strand	+
Start	46194	End	48927
Name	OJ000208_19.0419.C10.o9.gp	Method	AAT/GAP
Start	46178	End	47306
GI	none	Score	744
Exons	46178..46304, 47048..47306		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105887	Strand	+
Start	46194	End	48927
Name	OJ000208_19.0419.C10.o12.gs	Method	GENSCAN
Start	46194	End	47742
GI	none	Score	.6
Exons	46194..46304, 47048..47371, 47728..47742		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105887	Strand	+
Start	46194	End	48927
Name	OJ000208_19.0419.C10.o6.np	Method	AAT/NAP
Start	46194	End	48927
GI	7487707	Score	437
Exons	46194..46446, 47048..47185, 47261..47556, 47980..48046, 48135..48198, 48479..48566, 48675..48759, 48844..48927		
GI Descrip.	hypothetical protein T5J17.40 - Arabidopsis thaliana gi|4490738|emb|CAB38900.1| (AL035708) putative protein [Arabidopsis thaliana] gi|7271042|emb|CAB80650.1| (AL161596) putative protein [Arabidopsis thaliana]		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105887	Strand	+
Start	46194	End	48927
Name	OJ000208_19.0419.C10.o10.gp	Method	AAT/GAP
Start	47501	End	48734
GI	uC-osroM202028a08b1	Score	680
Exons	47501..47556, 47638..47710, 47966..48046, 48135..48198, 48479..48566, 48675..48734		
GI Descrip.	'4490738/emb|CAB38900.1| 1.0e-17 (AL035708) putative protein [Arabidopsis thaliana]'		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105888	Strand	-
Start	18064	End	21622
Name	OJ000208_19.0419.C10.o4.gs	Method	GENSCAN
Start	18064	End	21622
GI	none	Score	.62
Exons	18064..18197, 19226..19387, 21586..21622		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105889	Strand	-
Start	24420	End	28534
Name	OJ000208_19.0419.C10.o5.gp	Method	AAT/GAP
Start	24420	End	25521
GI	88100_1.R1084	Score	936
Exons	24420..24784, 25347..25521		
GI Descrip.	'4559333/gb|AAD22995.1|AC007087_14 2.0e-09 (AC007087) unknown protein [Arabidopsis thaliana]'		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105889	Strand	-
Start	24420	End	28534
Name	OJ000208_19.0419.C10.o4.np	Method	AAT/NAP
Start	25091	End	28534
GI	4559333	Score	685
Exons	25091..25178, 25357..25502, 25606..25939, 26054..26226, 26363..26558, 27612..28534		
GI Descrip.	(AC007087) unknown protein [Arabidopsis thaliana]		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105889	Strand	-
Start	24420	End	28534
Name	OJ000208_19.0419.C10.o6.gs	Method	GENSCAN
Start	25353	End	28488
GI	none	Score	.94
Exons	25353..25502, 25606..25939, 26054..26226, 26363..26553, 27612..28488		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105889	Strand	-
Start	24420	End	28534
Name	OJ000208_19.0419.C10.o6.gp	Method	AAT/GAP
Start	26050	End	26424
GI	426388	Score	398
Exons	26050..26226, 26363..26424		
GI Descrip.	4559333/gb|AAD22995.1|AC007087_14 2.0e-09 (AC007087) unknown protein [Arabidopsis thaliana]		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105890	Strand	-
Start	35247	End	35580
Name	OJ000208_19.0419.C10.o7.gp	Method	AAT/GAP
Start	35247	End	35580
GI	568580	Score	634
Exons	35247..35580		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105891	Strand	-
Start	36380	End	38645
Name	OJ000208_19.0419.C10.o8.gp	Method	AAT/GAP
Start	36380	End	38645
GI	16796_1.R1084	Score	2395
Exons	36380..36897, 37147..37359, 37929..38147, 38244..38389, 38489..38645		
GI Descrip.	'1370603/emb|CAA66901| 1.0e-141 (X98245) annexin p35 [Zea mays]'		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105891	Strand	-
Start	36380	End	38645
Name	OJ000208_19.0419.C10.o10.gs	Method	GENSCAN
Start	36607	End	38564
GI	none	Score	1
Exons	36607..36897, 37147..37359, 37929..38147, 38244..38389, 38489..38564		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10

Gene No.	105891	Strand	-
Start	36380	End	38645
Name	OJ000208_19.0419.C10.o5.np	Method	AAT/NAP
Start	36610	End	38564
GI	7441507	Score	1334
Exons	36610..36897, 37147..37359, 37929..38147, 38244..38389, 38489..38564		
GI Descrip.	annexin P35 - maize gi|1370603|emb|CAA66901.1| (X98245) annexin p35 [Zea mays]		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o4.tw	Method	TBLASTX:Wheat
Start	1859	End	2178
GI	none	Score	188
Exons	1859..1993, 1860..2000, 2086..2178, 2107..2178		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o4.tc	Method	TBLASTX:Cress
Start	1860	End	3824
GI	none	Score	149
Exons	1860..1991, 1865..2002, 2107..2196, 2141..2182, 2261..2338, 2263..2334, 2437..2529, 2451..2495, 2610..2714, 2612..2713, 2632..2715, 2860..2943, 2862..2942, 3073..3168, 3335..3415, 3336..3416, 3574..3675, 3576..3662, 3777..3824		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o8.tm	Method	TBLASTX:Maize
Start	1860	End	2490
GI	none	Score	173
Exons	1860..2000, 1862..1993, 2086..2178, 2108..2179, 2135..2179, 2255..2338, 2263..2331, 2451..2489, 2452..2490		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o4.ts	Method	TBLASTX:Soybean
Start	1863	End	2714
GI	none	Score	157
Exons	1863..1991, 1865..1990, 2107..2181, 2141..2182, 2261..2341, 2263..2340, 2437..2529, 2451..2489, 2610..2714, 2612..2713		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o6.ts	Method	TBLASTX:Soybean
Start	12806	End	13289
GI	none	Score	95
Exons	12806..12898, 12807..12893, 12891..12968, 12900..12956, 13065..13223, 13067..13150, 13151..13285, 13173..13289		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10

Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o4.tm	Method	TBLASTX:Maize
Start	12903	End	13308
GI	none	Score	98
Exons	12903..12968, 12904..12987, 12906..12959, 13065..13289, 13067..13300, 13073..13300, 13075..13308		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o3.tw	Method	TBLASTX:Wheat
Start	14877	End	15206
GI	none	Score	35
Exons	14877..14921, 15005..15073, 15006..15083, 15015..15092, 15093..15146, 15093..15140, 15110..15145, 15149..15205, 15150..15206		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	15005	End	15398
GI	none	Score	458
Exons	15005..15073, 15006..15398, 15110..15346		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	15005	End	15398
GI	none	Score	486
Exons	15005..15061, 15006..15398, 15015..15143, 15110..15346, 15258..15392		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	15006	End	15398
GI	none	Score	551
Exons	15006..15398, 15008..15346, 15249..15392		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o9.tm	Method	TBLASTX:Maize
Start	22608	End	22886
GI	none	Score	198
Exons	22608..22727, 22608..22724, 22616..22726, 22723..22767, 22838..22882, 22839..22886, 22840..22881		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o2.tc	Method	TBLASTX:Cress
Start	25398	End	27915

GI	none	Score	150
Exons	25398..25505, 25603..25941, 25664..25942, 26039..26128, 26050..26127, 27679..27915		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	25419	End	26485
GI	none	Score	180
Exons	25419..25505, 25603..25941, 25664..25942, 26039..26215, 26050..26226, 26360..26485, 26361..26456		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o7.tm	Method	TBLASTX:Maize
Start	25636	End	26109
GI	none	Score	128
Exons	25636..25941, 25667..25942, 26050..26109		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o5.tm	Method	TBLASTX:Maize
Start	26152	End	26545
GI	none	Score	78
Exons	26152..26229, 26153..26227, 26155..26229, 26345..26545, 26346..26540		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o3.tm	Method	TBLASTX:Maize
Start	36604	End	38067
GI	none	Score	280
Exons	36604..36900, 36618..36920, 36680..36898, 37136..37360, 37138..37368, 37147..37368, 37286..37369, 37905..38054, 37920..38066, 37927..38067		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	36610	End	36891
GI	none	Score	169
Exons	36610..36879, 36610..36891, 36680..36889		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o3.tc	Method	TBLASTX:Cress
Start	36616	End	38150
GI	none	Score	106
Exons	36616..36876, 36683..36859, 37147..37362, 37168..37218, 37222..37362, 37920..37982, 38088..38150		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o3.ts	Method	TBLASTX:Soybean
Start	36616	End	38573
GI	none	Score	168
Exons	36616..36900, 36631..36804, 36683..36898, 37147..37368, 37147..37368, 37905..38150, 37924..38148, 38244..38387, 38352..38393, 38487..38573, 38488..38565		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o2.tw	Method	TBLASTX:Wheat
Start	37147	End	37989
GI	none	Score	266
Exons	37147..37368, 37147..37368, 37920..37982, 37927..37989		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o6.tm	Method	TBLASTX:Maize
Start	38067	End	38567
GI	none	Score	111
Exons	38067..38159, 38070..38150, 38243..38284, 38244..38387, 38352..38390, 38356..38394, 38487..38528, 38487..38567, 38488..38565		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	46193	End	49125
GI	none	Score	112
Exons	46193..46210, 46211..46261, 46212..46292, 46235..46297, 47089..47343, 47099..47344, 47116..47343, 47328..47570, 47351..47554, 47352..47558, 47615..47710, 47616..47711, 47618..47713, 47626..47712, 47964..48044, 47965..48045, 47966..48046, 47969..48046, 47970..48047, 48128..48196, 48132..48200, 48134..48199, 48461..48565, 48469..48567, 48477..48566, 48478..48567, 48676..48762, 48677..48757, 48678..48761, 48838..48927, 48838..48927, 48842..48928, 48843..48998, 49057..49125		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o5.ts	Method	TBLASTX:Soybean
Start	47983	End	48927
GI	none	Score	77
Exons	47983..48042, 47984..48046, 48132..48200, 48134..48199, 48469..48567, 48478..48567, 48672..48758, 48673..48762, 48838..48927, 48843..48923		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161

Name	OJ000208_19.0419.C10.o5.tc	Method	TBLASTX:Cress
Start	48002	End	48924
GI	none	Score	41
Exons	48002..48037, 48132..48200, 48134..48199, 48406..48582, 48675..48761, 48676..48762, 48838..48924, 48843..48923		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o13.gs	Method	GENSCAN
Start	48764	End	49087
GI	none	Score	.65
Exons	48764..49087		

Seq. No.	49813	Seq. ID	OJ000208_19.0419.C10
Gene No.	105892	Strand	-
Start	48764	End	49161
Name	OJ000208_19.0419.C10.o11.gp	Method	AAT/GAP
Start	48920	End	49161
GI	none	Score	476
Exons	48920..49161		

Seq. No.	49814	Seq. ID	OJ000208_19.0419.C11
Gene No.	105893	Strand	+
Start	868	End	1111
Name	OJ000208_19.0419.C11.o1.gs	Method	GENSCAN
Start	868	End	1111
GI	none	Score	.92
Exons	868..1111		

Seq. No.	49815	Seq. ID	OJ000208_19.0419.C12
Gene No.	105894	Strand	+
Start	1	End	2823
Name	OJ000208_19.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	2823
GI	6069646	Score	495
Exons	1..52, 1155..1917, 2185..2823		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49815	Seq. ID	OJ000208_19.0419.C12
Gene No.	105894	Strand	+
Start	1	End	2823
Name	OJ000208_19.0419.C12.o1.gs	Method	GENSCAN
Start	464	End	1763
GI	none	Score	.64
Exons	464..690, 1550..1763		

Seq. No.	49815	Seq. ID	OJ000208_19.0419.C12
Gene No.	105894	Strand	+
Start	1	End	2823
Name	OJ000208_19.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	1209	End	1520
GI	none	Score	284

Exons	1209..1520, 1244..1519		
Seq. No.	49815	Seq. ID	OJ000208_19.0419.C12
Gene No.	105894	Strand	+
Start	1	End	2823
Name	OJ000208_19.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	1533	End	2118
GI	none	Score	152
Exons	1533..1799, 1837..1932, 1990..2118		
Seq. No.	49816	Seq. ID	OJ000208_19.0419.C14
Gene No.	105895	Strand	
Start	761	End	1038
Name	OJ000208_19.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	761	End	1038
GI	none	Score	103
Exons	761..1036, 769..1038		
Seq. No.	49817	Seq. ID	OJ000208_19.0419.C16
Gene No.	105896	Strand	+
Start	47	End	150
Name	OJ000208_19.0419.C16.o1.gp	Method	AAT/GAP
Start	47	End	150
GI	uC-osflcyp088b12b1	Score	150
Exons	47..150		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	49817	Seq. ID	OJ000208_19.0419.C16
Gene No.	105897	Strand	+
Start	472	End	958
Name	OJ000208_19.0419.C16.o1.gs	Method	GENSCAN
Start	472	End	958
GI	none	Score	.49
Exons	472..564, 902..958		
Seq. No.	49818	Seq. ID	OJ000208_19.0419.C20
Gene No.	105898	Strand	+
Start	129	End	783
Name	OJ000208_19.0419.C20.o1.gs	Method	GENSCAN
Start	129	End	783
GI	none	Score	.63
Exons	129..303, 309..595, 630..783		
Seq. No.	49819	Seq. ID	OJ000208_19.0419.C22
Gene No.	105899	Strand	+
Start	1	End	754
Name	OJ000208_19.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	754
GI	2792188	Score	329
Exons	1..500, 736..754		
GI Descrip.	(AJ002236) Hcr9-9E [Lycopersicon pimpinellifolium]		
Seq. No.	49819	Seq. ID	OJ000208_19.0419.C22
Gene No.	105899	Strand	+
Start	1	End	754
Name	OJ000208_19.0419.C22.o1.gs	Method	GENSCAN

Start	11	End	634
GI	none	Score	.91
Exons	11..634		

Seq. No.	49819	Seq. ID	OJ000208_19.0419.C22
Gene No.	105899	Strand	+
Start	1	End	754
Name	OJ000208_19.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	50	End	484
GI	none	Score	143
Exons	50..334, 101..334, 128..328, 128..331, 128..259, 128..256, 134..328, 134..331, 137..328, 146..328, 148..333, 218..334, 218..328, 220..369, 386..484		

Seq. No.	49819	Seq. ID	OJ000208_19.0419.C22
Gene No.	105899	Strand	+
Start	1	End	754
Name	OJ000208_19.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	56	End	523
GI	none	Score	314
Exons	56..523, 67..255, 134..184, 218..313, 283..498		

Seq. No.	49819	Seq. ID	OJ000208_19.0419.C22
Gene No.	105899	Strand	+
Start	1	End	754
Name	OJ000208_19.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	76	End	475
GI	none	Score	177
Exons	76..399, 89..448, 431..475		

Seq. No.	49819	Seq. ID	OJ000208_19.0419.C22
Gene No.	105899	Strand	+
Start	1	End	754
Name	OJ000208_19.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	128	End	463
GI	none	Score	184
Exons	128..463, 161..328		

Seq. No.	49820	Seq. ID	OJ000208_19.0419.C23
Gene No.	105900	Strand	-
Start	1	End	3122
Name	OJ000208_19.0419.C23.o2.np	Method	AAT/NAP
Start	1	End	3122
GI	5295951	Score	159
Exons	1..20, 2943..3122		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	49821	Seq. ID	OJ000208_19.0419.C24
Gene No.	105901	Strand	-
Start	1	End	1584
Name	OJ000208_19.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	1584
GI	6729046	Score	476
Exons	1..1090, 1169..1279, 1358..1584		
GI Descrip.	(AC009177) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	49821	Seq. ID	OJ000208_19.0419.C24
Gene No.	105901	Strand	-
Start	1	End	1584
Name	OJ000208_19.0419.C24.o1.gs	Method	GENSCAN
Start	89	End	1402
GI	none	Score	.49
Exons	89..1402		

Seq. No.	49821	Seq. ID	OJ000208_19.0419.C24
Gene No.	105901	Strand	-
Start	1	End	1584
Name	OJ000208_19.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	96	End	1570
GI	none	Score	93
Exons	96..299, 143..370, 146..325, 167..268, 548..811, 548..667, 548..808, 548..814, 548..799, 566..820, 764..811, 827..886, 827..868, 906..962, 995..1093, 1124..1162, 1169..1270, 1190..1318, 1193..1276, 1193..1264, 1406..1570		

Seq. No.	49821	Seq. ID	OJ000208_19.0419.C24
Gene No.	105901	Strand	-
Start	1	End	1584
Name	OJ000208_19.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	164	End	1009
GI	none	Score	194
Exons	164..304, 539..877, 548..886, 555..890, 851..1009, 898..1008		

Seq. No.	49822	Seq. ID	OJ000208_19.0419.C25
Gene No.	105902	Strand	-
Start	1	End	1199
Name	OJ000208_19.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	7434427	Score	187
Exons	1..47, 280..807, 1042..1199		
GI Descrip.	protein kinase homolog M3E9.30 - Arabidopsis thaliana gi|2982452|emb|CAA18216.1| (AL022223) receptor protein kinase-like protein [Arabidopsis thaliana] gi|7269506|emb|CAB79509.1| (AL161565) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	49823	Seq. ID	OJ000208_19.0419.C26
Gene No.	105903	Strand	+
Start	2496	End	3257
Name	OJ000208_19.0419.C26.o2.gs	Method	GENSCAN
Start	2496	End	3257
GI	none	Score	.8
Exons	2496..2616, 3155..3257		

Seq. No.	49824	Seq. ID	OJ000208_19.0419.C28
Gene No.	105904	Strand	+
Start	1689	End	1794
Name	OJ000208_19.0419.C28.o2.gp	Method	AAT/GAP
Start	1689	End	1794
GI	5816518	Score	155
Exons	1689..1794		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA,		

similar sequence to Pib gene

Seq. No.	49824	Seq. ID	OJ000208_19.0419.C28
Gene No.	105905	Strand	+
Start	3401	End	3553
Name	OJ000208_19.0419.C28.o1.gs	Method	GENSCAN
Start	3401	End	3547
GI	none	Score	.55
Exons	3401..3547		

Seq. No.	49824	Seq. ID	OJ000208_19.0419.C28
Gene No.	105905	Strand	+
Start	3401	End	3553
Name	OJ000208_19.0419.C28.o2.np	Method	AAT/NAP
Start	3401	End	3553
GI	7106513	Score	252
Exons	3401..3553		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	49824	Seq. ID	OJ000208_19.0419.C28
Gene No.	105906	Strand	-
Start	1357	End	1680
Name	OJ000208_19.0419.C28.o1.np	Method	AAT/NAP
Start	1357	End	1536
GI	7106512	Score	127
Exons	1357..1404, 1477..1536		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49824	Seq. ID	OJ000208_19.0419.C28
Gene No.	105906	Strand	-
Start	1357	End	1680
Name	OJ000208_19.0419.C28.o1.gp	Method	AAT/GAP
Start	1435	End	1680
GI	3761181	Score	445
Exons	1435..1680		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	49825	Seq. ID	OJ000208_19.0419.C29
Gene No.	105907	Strand	-
Start	28	End	716
Name	OJ000208_19.0419.C29.o1.gs	Method	GENSCAN
Start	28	End	627
GI	none	Score	.7
Exons	28..258, 266..457, 504..627		

Seq. No.	49825	Seq. ID	OJ000208_19.0419.C29
Gene No.	105907	Strand	-
Start	28	End	716
Name	OJ000208_19.0419.C29.o1.np	Method	AAT/NAP
Start	82	End	716
GI	7106512	Score	942
Exons	82..457, 512..716		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49826	Seq. ID	OJ000208_19.0419.C30
Gene No.	105908	Strand	-
Start	1	End	1343
Name	OJ000208_19.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	1343
GI	7106512	Score	757
Exons	1..79, 799..1343		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49826	Seq. ID	OJ000208_19.0419.C30
Gene No.	105908	Strand	-
Start	1	End	1343
Name	OJ000208_19.0419.C30.o1.gs	Method	GENSCAN
Start	847	End	1218
GI	none	Score	.93
Exons	847..1218		

Seq. No.	49827	Seq. ID	OJ000208_19.0419.C31
Gene No.	105909	Strand	-
Start	697	End	831
Name	OJ000208_19.0419.C31.o1.gs	Method	GENSCAN
Start	697	End	831
GI	none	Score	.47
Exons	697..831		

Seq. No.	49828	Seq. ID	OJ000208_19.0419.C33
Gene No.	105910	Strand	+
Start	322	End	1249
Name	OJ000208_19.0419.C33.o1.gs	Method	GENSCAN
Start	322	End	1249
GI	none	Score	.96
Exons	322..482, 1033..1249		

Seq. No.	49829	Seq. ID	OJ000208_19.0419.C35
Gene No.	105911	Strand	+
Start	728	End	981
Name	OJ000208_19.0419.C35.o1.np	Method	AAT/NAP
Start	728	End	981
GI	6907086	Score	154
Exons	728..981		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o1.gs	Method	GENSCAN
Start	80	End	3588
GI	none	Score	.47
Exons	80..371, 564..681, 757..983, 1215..1478, 1614..1806, 2114..2155, 2265..2438, 2546..2669, 2734..3026, 3145..3588		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o1.np	Method	AAT/NAP
Start	497	End	3712

GI	7489805	Score	1965
Exons	497..583, 913..3556, 3656..3712		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o4.tw	Method	TBLASTX:Wheat
Start	1054	End	1431
GI	none	Score	80
Exons	1054..1161, 1242..1430, 1255..1431		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	2064
GI	none	Score	429
Exons	1633..2064, 1683..2033, 1693..2052, 1876..1962		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o2.tm	Method	TBLASTX:Maize
Start	1761	End	2117
GI	none	Score	105
Exons	1761..2060, 1761..2069, 1762..2070, 2067..2117		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	2145	End	2528
GI	none	Score	377
Exons	2145..2528, 2166..2480, 2186..2518		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o2.tw	Method	TBLASTX:Wheat
Start	2201	End	2623
GI	none	Score	420
Exons	2201..2515, 2202..2621, 2264..2623, 2304..2606		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	2280	End	2621
GI	none	Score	242
Exons	2280..2621, 2297..2404		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o5.tw	Method	TBLASTX:Wheat

Start	2688	End	2897
GI	none	Score	175
Exons	2688..2843, 2706..2897		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o3.tw	Method	TBLASTX:Wheat
Start	2897	End	3330
GI	none	Score	132
Exons	2897..3013, 2898..3044, 3045..3245, 3046..3330, 3276..3323		

Seq. No.	49830	Seq. ID	OJ000208_19.0419.C37
Gene No.	105912	Strand	+
Start	80	End	3712
Name	OJ000208_19.0419.C37.o3.tm	Method	TBLASTX:Maize
Start	3265	End	3471
GI	none	Score	183
Exons	3265..3471		

Seq. No.	49831	Seq. ID	OJ000208_19.0419.C38
Gene No.	105913	Strand	+
Start	887	End	1270
Name	OJ000208_19.0419.C38.o1.gp	Method	AAT/GAP
Start	887	End	1270
GI	uC-osflcyp033a04b1	Score	697
Exons	887..1270		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49831	Seq. ID	OJ000208_19.0419.C38
Gene No.	105914	Strand	-
Start	815	End	1046
Name	OJ000208_19.0419.C38.o1.np	Method	AAT/NAP
Start	815	End	1046
GI	4680186	Score	231
Exons	815..1046		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49831	Seq. ID	OJ000208_19.0419.C38
Gene No.	105914	Strand	-
Start	815	End	1046
Name	OJ000208_19.0419.C38.o1.gs	Method	GENSCAN
Start	867	End	927
GI	none	Score	.6
Exons	867..927		

Seq. No.	49832	Seq. ID	OJ000208_19.0419.C39
Gene No.	105915	Strand	+
Start	1	End	1222
Name	OJ000208_19.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	654
GI	7489805	Score	448
Exons	1..654		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	49832	Seq. ID	OJ000208_19.0419.C39
Gene No.	105915	Strand	+
Start	1	End	1222
Name	OJ000208_19.0419.C39.o1.gs	Method	GENSCAN
Start	56	End	1222
GI	none	Score	.65
Exons	56..137, 377..450, 1049..1222		

Seq. No.	49832	Seq. ID	OJ000208_19.0419.C39
Gene No.	105916	Strand	-
Start	2115	End	3642
Name	OJ000208_19.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	95	End	325
GI	none	Score	185
Exons	95..325		

Seq. No.	49832	Seq. ID	OJ000208_19.0419.C39
Gene No.	105916	Strand	-
Start	2115	End	3642
Name	OJ000208_19.0419.C39.o2.gs	Method	GENSCAN
Start	2115	End	3642
GI	none	Score	.79
Exons	2115..2298, 2316..2749, 2845..2921, 3177..3642		

Seq. No.	49833	Seq. ID	OJ000208_19.0419.C40
Gene No.	105917	Strand	-
Start	24	End	1046
Name	OJ000208_19.0419.C40.o1.gs	Method	GENSCAN
Start	24	End	1046
GI	none	Score	.81
Exons	24..119, 209..707, 765..1046		

Seq. No.	49833	Seq. ID	OJ000208_19.0419.C40
Gene No.	105918	Strand	-
Start	1599	End	1808
Name	OJ000208_19.0419.C40.o2.gs	Method	GENSCAN
Start	1599	End	1808
GI	none	Score	.88
Exons	1599..1808		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	6691191	Score	1329
Exons	1..1408		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	35	End	390
GI	none	Score	56
Exons	35..100, 101..388, 112..390		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	77	End	517
GI	none	Score	149
Exons	77..292, 347..517		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	83	End	481
GI	none	Score	470
Exons	83..481, 93..449, 109..480		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o2.tw	Method	TBLASTX:Wheat
Start	494	End	964
GI	none	Score	169
Exons	494..694, 497..619, 586..669, 686..781, 761..964		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o3.ts	Method	TBLASTX:Soybean
Start	500	End	634
GI	none	Score	185
Exons	500..634, 500..616		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	677	End	1060
GI	none	Score	61
Exons	677..754, 758..1060, 910..1059		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	1081	End	1408
GI	none	Score	81
Exons	1081..1122, 1082..1123, 1120..1404, 1121..1408		

Seq. No.	49834	Seq. ID	OJ000328_12.0419.C4
Gene No.	105919	Strand	+
Start	1	End	1408
Name	OJ000328_12.0419.C4.o3.tw	Method	TBLASTX:Wheat
Start	1082	End	1393
GI	none	Score	280
Exons	1082..1393, 1087..1317		

Seq. No.	49835	Seq. ID	OJ000328_12.0419.C5

Gene No.	105920	Strand	+
Start	544	End	4884
Name	OJ000328_12.0419.C5.o2.np	Method	AAT/NAP
Start	544	End	4884
GI	6691191	Score	758
Exons	544..584, 3983..4884		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	49835	Seq. ID	OJ000328_12.0419.C5
Gene No.	105920	Strand	+
Start	544	End	4884
Name	OJ000328_12.0419.C5.o1.gs	Method	GENSCAN
Start	1116	End	4789
GI	none	Score	.94
Exons	1116..1175, 2162..2224, 2611..2758, 2997..4789		

Seq. No.	49835	Seq. ID	OJ000328_12.0419.C5
Gene No.	105920	Strand	+
Start	544	End	4884
Name	OJ000328_12.0419.C5.o1.np	Method	AAT/NAP
Start	2353	End	3756
GI	5852181	Score	110
Exons	2353..2529, 3627..3756		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	49835	Seq. ID	OJ000328_12.0419.C5
Gene No.	105920	Strand	+
Start	544	End	4884
Name	OJ000328_12.0419.C5.o2.tw	Method	TBLASTX:Wheat
Start	2807	End	3160
GI	none	Score	202
Exons	2807..3160		

Seq. No.	49835	Seq. ID	OJ000328_12.0419.C5
Gene No.	105920	Strand	+
Start	544	End	4884
Name	OJ000328_12.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	4334	End	4759
GI	none	Score	394
Exons	4334..4759, 4360..4608		

Seq. No.	49835	Seq. ID	OJ000328_12.0419.C5
Gene No.	105920	Strand	+
Start	544	End	4884
Name	OJ000328_12.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	4334	End	4738
GI	none	Score	412
Exons	4334..4738, 4351..4620		

Seq. No.	49836	Seq. ID	OJ000328_12.0419.C6
Gene No.	105921	Strand	+
Start	1	End	323
Name	OJ000328_12.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	323
GI	5852181	Score	120
Exons	1..323		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	49836	Seq. ID	OJ000328_12.0419.C6
Gene No.	105922	Strand	+
Start	928	End	2283
Name	OJ000328_12.0419.C6.o1.gs	Method	GENSCAN
Start	928	End	2283
GI	none	Score	.49
Exons	928..1131, 1778..2283		

Seq. No.	49837	Seq. ID	OJ000328_12.0419.C7
Gene No.	105923	Strand	+
Start	60	End	664
Name	OJ000328_12.0419.C7.o1.gs	Method	GENSCAN
Start	60	End	664
GI	none	Score	.59
Exons	60..377, 518..664		

Seq. No.	49837	Seq. ID	OJ000328_12.0419.C7
Gene No.	105924	Strand	+
Start	627	End	705
Name	OJ000328_12.0419.C7.o2.np	Method	AAT/NAP
Start	627	End	705
GI	6630699	Score	63
Exons	627..705		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	49838	Seq. ID	OJ000328_12.0419.C8
Gene No.	105925	Strand	+
Start	40	End	611
Name	OJ000328_12.0419.C8.o1.gs	Method	GENSCAN
Start	40	End	611
GI	none	Score	.47
Exons	40..166, 485..611		

Seq. No.	49839	Seq. ID	OJ000328_12.0419.C9
Gene No.	105926	Strand	+
Start	142	End	577
Name	OJ000328_12.0419.C9.o1.gs	Method	GENSCAN
Start	142	End	577
GI	none	Score	.84
Exons	142..226, 440..577		

Seq. No.	49839	Seq. ID	OJ000328_12.0419.C9
Gene No.	105927	Strand	+
Start	994	End	1560
Name	OJ000328_12.0419.C9.o1.gp	Method	AAT/GAP
Start	994	End	1560
GI	4879016	Score	898
Exons	994..1560		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	49839	Seq. ID	OJ000328_12.0419.C9
Gene No.	105928	Strand	+

Start	1836	End	2117
Name	OJ000328_12.0419.C9.o2.gs	Method	GENSCAN
Start	1836	End	2117
GI	none	Score	.78
Exons	1836..2117		

Seq. No.	49839	Seq. ID	OJ000328_12.0419.C9
Gene No.	105929	Strand	+
Start	2665	End	5361
Name	OJ000328_12.0419.C9.o1.np	Method	AAT/NAP
Start	2665	End	5361
GI	7228442	Score	259
Exons	2665..2691, 4315..4628, 5333..5361		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	49839	Seq. ID	OJ000328_12.0419.C9
Gene No.	105929	Strand	+
Start	2665	End	5361
Name	OJ000328_12.0419.C9.o3.gs	Method	GENSCAN
Start	3971	End	5096
GI	none	Score	.44
Exons	3971..4059, 4209..4624, 4649..4801, 4935..5096		

Seq. No.	49839	Seq. ID	OJ000328_12.0419.C9
Gene No.	105929	Strand	+
Start	2665	End	5361
Name	OJ000328_12.0419.C9.o2.np	Method	AAT/NAP
Start	4315	End	5361
GI	7228438	Score	251
Exons	4315..4628, 5333..5361		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49840	Seq. ID	OJ000328_12.0419.C10
Gene No.	105930	Strand	+
Start	3036	End	3348
Name	OJ000328_12.0419.C10.o2.gs	Method	GENSCAN
Start	3036	End	3308
GI	none	Score	1
Exons	3036..3308		

Seq. No.	49840	Seq. ID	OJ000328_12.0419.C10
Gene No.	105930	Strand	+
Start	3036	End	3348
Name	OJ000328_12.0419.C10.o1.np	Method	AAT/NAP
Start	3084	End	3348
GI	4185309	Score	115
Exons	3084..3348		
GI Descrip.	(AF090446) unknown [Zea mays]		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o3.tm	Method	TBLASTX:Maize

Start	129	End	469
GI	none	Score	96
Exons	129..203, 130..207, 227..469, 232..468		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o3.tw	Method	TBLASTX:Wheat
Start	251	End	562
GI	none	Score	201
Exons	251..562, 337..462		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o1.np	Method	AAT/NAP
Start	296	End	1714
GI	6630685	Score	1739
Exons	296..367, 658..1714		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	470	End	865
GI	none	Score	141
Exons	470..589, 478..585, 589..864, 593..865		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	629	End	1201
GI	none	Score	282
Exons	629..877, 637..861, 810..884, 888..932, 890..913, 913..993, 917..1201, 929..1198, 1075..1200		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	866	End	1660
GI	none	Score	103
Exons	866..937, 871..939, 938..1519, 1072..1518, 1543..1614, 1556..1660		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	1069	End	1507
GI	none	Score	302
Exons	1069..1236, 1073..1507		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11

Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	1082	End	1504
GI	none	Score	229
Exons	1082..1504		

Seq. No.	49841	Seq. ID	OJ000328_12.0419.C11
Gene No.	105931	Strand	+
Start	296	End	1714
Name	OJ000328_12.0419.C11.o2.tw	Method	TBLASTX:Wheat
Start	1289	End	1636
GI	none	Score	127
Exons	1289..1378, 1289..1375, 1367..1519, 1378..1515, 1556..1636		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	964
GI	6630685	Score	1583
Exons	1..964		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	1	End	175
GI	none	Score	237
Exons	1..174, 2..175		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o1.gs	Method	GENSCAN
Start	77	End	2506
GI	none	Score	.56
Exons	77..295, 1448..1869, 2161..2506		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	107	End	523
GI	none	Score	86
Exons	107..259, 287..523		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	290	End	993
GI	none	Score	971
Exons	290..991, 298..981, 781..993, 882..992		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	308	End	949
GI	none	Score	305
Exons	308..697, 320..691, 532..696, 716..949		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	491	End	946
GI	none	Score	65
Exons	491..577, 581..715, 701..946, 718..897		

Seq. No.	49842	Seq. ID	OJ000328_12.0419.C12
Gene No.	105932	Strand	+
Start	1	End	2506
Name	OJ000328_12.0419.C12.o2.tw	Method	TBLASTX:Wheat
Start	533	End	913
GI	none	Score	108
Exons	533..706, 601..681, 725..913		

Seq. No.	49843	Seq. ID	OJ000328_12.0419.C13
Gene No.	105933	Strand	+
Start	2041	End	2602
Name	OJ000328_12.0419.C13.o1.gp	Method	AAT/GAP
Start	2041	End	2602
GI	4879016	Score	835
Exons	2041..2602		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	49843	Seq. ID	OJ000328_12.0419.C13
Gene No.	105934	Strand	-
Start	718	End	3121
Name	OJ000328_12.0419.C13.o1.gs	Method	GENSCAN
Start	718	End	3121
GI	none	Score	.4
Exons	718..870, 926..1101, 2920..3121		

Seq. No.	49844	Seq. ID	OJ000328_12.0419.C14
Gene No.	105935	Strand	+
Start	632	End	2644
Name	OJ000328_12.0419.C14.o1.gs	Method	GENSCAN
Start	632	End	2644
GI	none	Score	.88
Exons	632..652, 1145..1256, 1709..1882, 2070..2644		

Seq. No.	49844	Seq. ID	OJ000328_12.0419.C14
Gene No.	105936	Strand	-
Start	1215	End	1632
Name	OJ000328_12.0419.C14.o1.gp	Method	AAT/GAP
Start	1215	End	1632
GI	uC-osroM202011h09b1	Score	800

Exons	1215..1632		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	49845	Seq. ID	OJ000328_12.0419.C15
Gene No.	105937	Strand	+
Start	1836	End	2267
Name	OJ000328_12.0419.C15.o2.gs	Method	GENSCAN
Start	1836	End	2267
GI	none	Score	.69
Exons	1836..2267		
Seq. No.	49845	Seq. ID	OJ000328_12.0419.C15
Gene No.	105938	Strand	-
Start	1	End	928
Name	OJ000328_12.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	928
GI	6063557	Score	366
Exons	1..45, 296..496, 744..928		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	49845	Seq. ID	OJ000328_12.0419.C15
Gene No.	105938	Strand	-
Start	1	End	928
Name	OJ000328_12.0419.C15.o1.gs	Method	GENSCAN
Start	388	End	923
GI	none	Score	.5
Exons	388..523, 788..923		
Seq. No.	49846	Seq. ID	OJ000328_12.0419.C16
Gene No.	105939	Strand	+
Start	625	End	1052
Name	OJ000328_12.0419.C16.o1.gs	Method	GENSCAN
Start	625	End	1052
GI	none	Score	.76
Exons	625..781, 949..1052		
Seq. No.	49847	Seq. ID	OJ000328_12.0419.C17
Gene No.	105940	Strand	+
Start	1474	End	1785
Name	OJ000328_12.0419.C17.o2.np	Method	AAT/NAP
Start	1474	End	1785
GI	7523517	Score	201
Exons	1474..1785		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	49847	Seq. ID	OJ000328_12.0419.C17
Gene No.	105941	Strand	-
Start	93	End	610
Name	OJ000328_12.0419.C17.o1.gs	Method	GENSCAN
Start	93	End	610
GI	none	Score	.99
Exons	93..265, 532..610		
Seq. No.	49847	Seq. ID	OJ000328_12.0419.C17
Gene No.	105942	Strand	-

Start	1445	End	2054
Name	OJ000328_12.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	90	End	580
GI	none	Score	142
Exons	90..266, 91..267, 530..580		

Seq. No.	49847	Seq. ID	OJ000328_12.0419.C17
Gene No.	105942	Strand	-
Start	1445	End	2054
Name	OJ000328_12.0419.C17.o2.gs	Method	GENSCAN
Start	1445	End	2054
GI	none	Score	.82
Exons	1445..1522, 1641..1712, 1884..2054		

Seq. No.	49848	Seq. ID	OJ000328_12.0419.C18
Gene No.	105943	Strand	+
Start	168	End	435
Name	OJ000328_12.0419.C18.o1.np	Method	AAT/NAP
Start	168	End	435
GI	7523512	Score	199
Exons	168..435		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49848	Seq. ID	OJ000328_12.0419.C18
Gene No.	105944	Strand	+
Start	657	End	2423
Name	OJ000328_12.0419.C18.o1.gs	Method	GENSCAN
Start	657	End	2337
GI	none	Score	.42
Exons	657..716, 771..886, 1057..1192, 1331..1539, 1541..1644, 1707..2141, 2169..2337		

Seq. No.	49848	Seq. ID	OJ000328_12.0419.C18
Gene No.	105944	Strand	+
Start	657	End	2423
Name	OJ000328_12.0419.C18.o2.np	Method	AAT/NAP
Start	1076	End	2423
GI	6907089	Score	1952
Exons	1076..2423		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49849	Seq. ID	OJ000328_12.0419.C19
Gene No.	105945	Strand	-
Start	541	End	1917
Name	OJ000328_12.0419.C19.o1.gs	Method	GENSCAN
Start	541	End	1830
GI	none	Score	.45
Exons	541..777, 881..1830		

Seq. No.	49849	Seq. ID	OJ000328_12.0419.C19
Gene No.	105945	Strand	-
Start	541	End	1917
Name	OJ000328_12.0419.C19.o1.np	Method	AAT/NAP
Start	544	End	1917
GI	7228457	Score	2134
Exons	544..1917		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	49849	Seq. ID	OJ000328_12.0419.C19
Gene No.	105945	Strand	-
Start	541	End	1917
Name	OJ000328_12.0419.C19.o2.tw	Method	TBLASTX:Wheat
Start	553	End	1115
GI	none	Score	80
Exons	553..678, 557..679, 709..846, 857..1114, 858..1115, 924..1115		

Seq. No.	49849	Seq. ID	OJ000328_12.0419.C19
Gene No.	105945	Strand	-
Start	541	End	1917
Name	OJ000328_12.0419.C19.o1.tw	Method	TBLASTX:Wheat
Start	1124	End	1496
GI	none	Score	234
Exons	1124..1495, 1125..1496		

Seq. No.	49849	Seq. ID	OJ000328_12.0419.C19
Gene No.	105945	Strand	-
Start	541	End	1917
Name	OJ000328_12.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	1271	End	1633
GI	none	Score	85
Exons	1271..1318, 1301..1513, 1310..1633, 1323..1604		

Seq. No.	49850	Seq. ID	OJ000328_12.0419.C20
Gene No.	105946	Strand	-
Start	684	End	2122
Name	OJ000328_12.0419.C20.o1.gs	Method	GENSCAN
Start	684	End	2122
GI	none	Score	.66
Exons	684..885, 974..1124, 2022..2122		

Seq. No.	49851	Seq. ID	OJ000328_12.0419.C21
Gene No.	105947	Strand	+
Start	798	End	5858
Name	OJ000328_12.0419.C21.o2.np	Method	AAT/NAP
Start	798	End	4961
GI	5803259	Score	251
Exons	798..1549, 4935..4961		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	49851	Seq. ID	OJ000328_12.0419.C21
Gene No.	105947	Strand	+
Start	798	End	5858
Name	OJ000328_12.0419.C21.o1.gs	Method	GENSCAN
Start	812	End	3153
GI	none	Score	.82
Exons	812..935, 1093..1469, 2229..2338, 3028..3153		

Seq. No.	49851	Seq. ID	OJ000328_12.0419.C21
Gene No.	105947	Strand	+
Start	798	End	5858
Name	OJ000328_12.0419.C21.o3.np	Method	AAT/NAP
Start	3028	End	4398

GI	5852175	Score	116
Exons	3028..3084, 3655..3749, 4366..4398		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	49851	Seq. ID	OJ000328_12.0419.C21
Gene No.	105947	Strand	+
Start	798	End	5858
Name	OJ000328_12.0419.C21.o2.gs	Method	GENSCAN
Start	4060	End	5823
GI	none	Score	.53
Exons	4060..4063, 4606..4983, 5008..5091, 5421..5823		

Seq. No.	49851	Seq. ID	OJ000328_12.0419.C21
Gene No.	105947	Strand	+
Start	798	End	5858
Name	OJ000328_12.0419.C21.o4.np	Method	AAT/NAP
Start	4725	End	5858
GI	6721561	Score	868
Exons	4725..4983, 5054..5112, 5193..5858		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49851	Seq. ID	OJ000328_12.0419.C21
Gene No.	105948	Strand	-
Start	122	End	433
Name	OJ000328_12.0419.C21.o1.np	Method	AAT/NAP
Start	122	End	433
GI	7523517	Score	204
Exons	122..433		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49852	Seq. ID	OJ000328_12.0419.C22
Gene No.	105949	Strand	+
Start	99	End	749
Name	OJ000328_12.0419.C22.o1.gs	Method	GENSCAN
Start	99	End	749
GI	none	Score	.79
Exons	99..117, 235..410, 519..749		

Seq. No.	49852	Seq. ID	OJ000328_12.0419.C22
Gene No.	105950	Strand	-
Start	1362	End	1894
Name	OJ000328_12.0419.C22.o2.gs	Method	GENSCAN
Start	1362	End	1856
GI	none	Score	.93
Exons	1362..1856		

Seq. No.	49852	Seq. ID	OJ000328_12.0419.C22
Gene No.	105950	Strand	-
Start	1362	End	1894
Name	OJ000328_12.0419.C22.o1.np	Method	AAT/NAP
Start	1365	End	1894
GI	5902445	Score	472
Exons	1365..1894		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	49852	Seq. ID	OJ000328_12.0419.C22
Gene No.	105950	Strand	-
Start	1362	End	1894
Name	OJ000328_12.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	1374	End	1892
GI	none	Score	59
Exons	1374..1505, 1375..1500, 1530..1892, 1726..1833		

Seq. No.	49852	Seq. ID	OJ000328_12.0419.C22
Gene No.	105950	Strand	-
Start	1362	End	1894
Name	OJ000328_12.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	1497	End	1760
GI	none	Score	196
Exons	1497..1760		

Seq. No.	49853	Seq. ID	OJ000328_12.0419.C23
Gene No.	105951	Strand	-
Start	781	End	956
Name	OJ000328_12.0419.C23.o1.np	Method	AAT/NAP
Start	781	End	956
GI	6063554	Score	100
Exons	781..956		

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	49853	Seq. ID	OJ000328_12.0419.C23
Gene No.	105952	Strand	-
Start	1658	End	1954
Name	OJ000328_12.0419.C23.o1.gs	Method	GENSCAN
Start	1658	End	1876
GI	none	Score	.85
Exons	1658..1876		

Seq. No.	49853	Seq. ID	OJ000328_12.0419.C23
Gene No.	105952	Strand	-
Start	1658	End	1954
Name	OJ000328_12.0419.C23.o2.np	Method	AAT/NAP
Start	1661	End	1954
GI	6983860	Score	486
Exons	1661..1954		

GI Descrip. (AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]

Seq. No.	49853	Seq. ID	OJ000328_12.0419.C23
Gene No.	105952	Strand	-
Start	1658	End	1954
Name	OJ000328_12.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	1706	End	1951
GI	none	Score	79
Exons	1706..1951, 1727..1888, 1758..1943		

Seq. No.	49853	Seq. ID	OJ000328_12.0419.C23
Gene No.	105952	Strand	-

Start	1658	End	1954
Name	OJ000328_12.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	1757	End	1952
GI	none	Score	76
Exons	1757..1951, 1902..1952		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105953	Strand	+
Start	173	End	689
Name	OJ000328_12.0419.C24.o1.gs	Method	GENSCAN
Start	173	End	689
GI	none	Score	.98
Exons	173..430, 468..689		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105954	Strand	+
Start	9462	End	13371
Name	OJ000328_12.0419.C24.o1.np	Method	AAT/NAP
Start	9462	End	13371
GI	7228457	Score	5322
Exons	9462..9832, 9894..11825, 11889..12723, 12846..13371		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105955	Strand	-
Start	1714	End	7146
Name	OJ000328_12.0419.C24.o2.gs	Method	GENSCAN
Start	1714	End	7146
GI	none	Score	.52
Exons	1714..2164, 2446..2946, 3001..3530, 3588..3692, 3807..4291, 4358..4943, 5112..5688, 7112..7146		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o3.tm	Method	TBLASTX:Maize
Start	1400	End	1633
GI	none	Score	130
Exons	1400..1633, 1407..1616		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o6.tw	Method	TBLASTX:Wheat
Start	1427	End	1744
GI	none	Score	224
Exons	1427..1744		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o7.tw	Method	TBLASTX:Wheat
Start	1802	End	2097
GI	none	Score	83
Exons	1802..2083, 1840..2097		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o5.tw	Method	TBLASTX:Wheat
Start	2137	End	2543
GI	none	Score	88
Exons	2137..2313, 2318..2461, 2320..2460, 2448..2543		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	2664	End	12917
GI	none	Score	35
Exons	2664..3059, 2791..2823, 2875..3000, 12546..12917, 12563..12706		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o2.tw	Method	TBLASTX:Wheat
Start	2689	End	12887
GI	none	Score	238
Exons	2689..3003, 2691..3113, 2721..3110, 12467..12862, 12468..12887		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o2.tm	Method	TBLASTX:Maize
Start	2787	End	12794
GI	none	Score	116
Exons	2787..3170, 2788..3003, 12410..12775, 12411..12794		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	3198	End	12383
GI	none	Score	196
Exons	3198..3554, 3199..3465, 3249..3500, 12027..12383, 12062..12373, 12267..12383		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	3228	End	12359
GI	none	Score	238
Exons	3228..3683, 3229..3465, 3278..3481, 3535..3684, 11897..12352, 11898..12359, 11898..12353		

Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o2.ts	Method	TBLASTX:Soybean
Start	3279	End	12302
GI	none	Score	106

Exons	3279..3413, 3420..3644, 11937..12161, 12168..12302		
Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o3.tw	Method	TBLASTX:Wheat
Start	3876	End	11732
GI	none	Score	113
Exons	3876..4112, 3933..4109, 4024..4110, 4149..4319, 4150..4323, 11246..11419, 11247..11732, 11441..11701		
Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o4.tw	Method	TBLASTX:Wheat
Start	4881	End	10508
GI	none	Score	73
Exons	4881..5153, 4933..5133, 5109..5225, 5122..5223, 5226..5270, 10119..10163, 10170..10268, 10187..10267, 10235..10474, 10251..10508		
Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o4.tm	Method	TBLASTX:Maize
Start	4992	End	10406
GI	none	Score	83
Exons	4992..5231, 4993..5247, 10158..10406, 10160..10405		
Seq. No.	49854	Seq. ID	OJ000328_12.0419.C24
Gene No.	105956	Strand	-
Start	7339	End	12917
Name	OJ000328_12.0419.C24.o3.gs	Method	GENSCAN
Start	7339	End	8319
GI	none	Score	.94
Exons	7339..8319		
Seq. No.	49855	Seq. ID	OJ000328_12.0419.C25
Gene No.	105957	Strand	-
Start	1	End	1830
Name	OJ000328_12.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	1830
GI	6907089	Score	2135
Exons	1..1830		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	49855	Seq. ID	OJ000328_12.0419.C25
Gene No.	105957	Strand	-
Start	1	End	1830
Name	OJ000328_12.0419.C25.o1.gs	Method	GENSCAN
Start	14	End	1537
GI	none	Score	.96
Exons	14..1139, 1199..1537		
Seq. No.	49856	Seq. ID	OJ000328_12.0419.C30
Gene No.	105958	Strand	-
Start	316	End	506

Name	OJ000328_12.0419.C30.o1.gs	Method	GENSCAN
Start	316	End	506
GI	none	Score	.98
Exons	316..506		

Seq. No.	49857	Seq. ID	OJ000328_12.0419.C31
Gene No.	105959	Strand	+
Start	542	End	4429
Name	OJ000328_12.0419.C31.o1.gs	Method	GENSCAN
Start	542	End	4087
GI	none	Score	.42
Exons	542..647, 1498..1523, 1860..2462, 3112..3821, 3844..4087		

Seq. No.	49857	Seq. ID	OJ000328_12.0419.C31
Gene No.	105959	Strand	+
Start	542	End	4429
Name	OJ000328_12.0419.C31.o2.np	Method	AAT/NAP
Start	2982	End	4429
GI	6983860	Score	834
Exons	2982..4015, 4064..4171, 4263..4429		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49857	Seq. ID	OJ000328_12.0419.C31
Gene No.	105960	Strand	-
Start	530	End	4429
Name	OJ000328_12.0419.C31.o1.np	Method	AAT/NAP
Start	530	End	4429
GI	4680186	Score	290
Exons	530..731, 1570..1625, 4259..4429		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49857	Seq. ID	OJ000328_12.0419.C31
Gene No.	105960	Strand	-
Start	530	End	4429
Name	OJ000328_12.0419.C31.o2.tw	Method	TBLASTX:Wheat
Start	3169	End	3369
GI	none	Score	193
Exons	3169..3366, 3171..3368, 3277..3369		

Seq. No.	49857	Seq. ID	OJ000328_12.0419.C31
Gene No.	105960	Strand	-
Start	530	End	4429
Name	OJ000328_12.0419.C31.o1.tw	Method	TBLASTX:Wheat
Start	3402	End	3753
GI	none	Score	288
Exons	3402..3596, 3403..3753		

Seq. No.	49857	Seq. ID	OJ000328_12.0419.C31
Gene No.	105960	Strand	-
Start	530	End	4429
Name	OJ000328_12.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	3403	End	3708
GI	none	Score	232
Exons	3403..3708, 3417..3581		

Seq. No.	49858	Seq. ID	OJ000328_12.0419.C32

Gene No.	105961	Strand	-
Start	1007	End	1444
Name	OJ000328_12.0419.C32.o1.gs	Method	GENSCAN
Start	1007	End	1444
GI	none	Score	.85
Exons	1007..1444		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o1.np	Method	AAT/NAP
Start	1	End	1218
GI	6466937	Score	596
Exons	1..1218		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o1.gs	Method	GENSCAN
Start	14	End	1619
GI	none	Score	.84
Exons	14..153, 1441..1619		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	18	End	414
GI	none	Score	73
Exons	18..236, 19..87, 59..106, 172..240, 238..414		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o2.tm	Method	TBLASTX:Maize
Start	21	End	291
GI	none	Score	74
Exons	21..239, 22..99, 118..240, 189..269, 232..267, 235..291		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	424	End	896
GI	none	Score	286
Exons	424..810, 440..811, 813..896		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o2.tw	Method	TBLASTX:Wheat
Start	514	End	1215
GI	none	Score	217
Exons	514..576, 952..1215		

Seq. No.	49859	Seq. ID	OJ000328_12.0419.C33
Gene No.	105962	Strand	-
Start	1	End	1619
Name	OJ000328_12.0419.C33.o3.tm	Method	TBLASTX:Maize
Start	967	End	1216
GI	none	Score	67
Exons	967..1215, 1085..1216		

Seq. No.	49860	Seq. ID	OJ000328_12.0419.C34
Gene No.	105963	Strand	-
Start	1	End	2192
Name	OJ000328_12.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	2192
GI	4581164	Score	352
Exons	1..32, 679..1026, 2172..2192		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49860	Seq. ID	OJ000328_12.0419.C34
Gene No.	105963	Strand	-
Start	1	End	2192
Name	OJ000328_12.0419.C34.o1.gs	Method	GENSCAN
Start	344	End	1293
GI	none	Score	.48
Exons	344..613, 1187..1293		

Seq. No.	49860	Seq. ID	OJ000328_12.0419.C34
Gene No.	105963	Strand	-
Start	1	End	2192
Name	OJ000328_12.0419.C34.o1.tw	Method	TBLASTX:Wheat
Start	660	End	1036
GI	none	Score	155
Exons	660..1028, 668..1036		

Seq. No.	49860	Seq. ID	OJ000328_12.0419.C34
Gene No.	105963	Strand	-
Start	1	End	2192
Name	OJ000328_12.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	677	End	1033
GI	none	Score	214
Exons	677..1033, 678..1025		

Seq. No.	49860	Seq. ID	OJ000328_12.0419.C34
Gene No.	105963	Strand	-
Start	1	End	2192
Name	OJ000328_12.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	737	End	1024
GI	none	Score	74
Exons	737..1024, 738..938		

Seq. No.	49861	Seq. ID	OJ000328_12.0419.C35
Gene No.	105964	Strand	+
Start	239	End	786
Name	OJ000328_12.0419.C35.o1.gs	Method	GENSCAN
Start	239	End	786
GI	none	Score	.45
Exons	239..332, 721..786		

Seq. No.	49861	Seq. ID	OJ000328_12.0419.C35
Gene No.	105965	Strand	-
Start	1926	End	2276
Name	OJ000328_12.0419.C35.o2.gs	Method	GENSCAN
Start	1926	End	2276
GI	none	Score	.66
Exons	1926..2276		

Seq. No.	49862	Seq. ID	OJ000328_12.0419.C36
Gene No.	105966	Strand	+
Start	3277	End	3426
Name	OJ000328_12.0419.C36.o1.gp	Method	AAT/GAP
Start	3277	End	3426
GI	uC-osflcyp001c04b2	Score	195
Exons	3277..3426		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	49862	Seq. ID	OJ000328_12.0419.C36
Gene No.	105967	Strand	-
Start	2994	End	3615
Name	OJ000328_12.0419.C36.o2.gs	Method	GENSCAN
Start	2994	End	3615
GI	none	Score	.63
Exons	2994..3238, 3450..3615		

Seq. No.	49863	Seq. ID	OJ000328_12.0419.C39
Gene No.	105968	Strand	+
Start	1	End	127
Name	OJ000328_12.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	127
GI	7339719	Score	94
Exons	1..127		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	49863	Seq. ID	OJ000328_12.0419.C39
Gene No.	105969	Strand	+
Start	31	End	252
Name	OJ000328_12.0419.C39.o1.gs	Method	GENSCAN
Start	31	End	252
GI	none	Score	.72
Exons	31..252		

Seq. No.	49864	Seq. ID	OJ000328_12.0419.C40
Gene No.	105970	Strand	+
Start	1230	End	1961
Name	OJ000328_12.0419.C40.o1.gs	Method	GENSCAN
Start	1230	End	1961
GI	none	Score	.69
Exons	1230..1347, 1840..1961		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o1.np	Method	AAT/NAP

Start	1	End	1750
GI	6983861	Score	435
Exons	1..273, 1696..1750		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o1.gs	Method	GENSCAN
Start	25	End	2221
GI	none	Score	.66
Exons	25..501, 673..1489, 1553..1768, 1997..2221		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o2.np	Method	AAT/NAP
Start	673	End	2284
GI	6983860	Score	2092
Exons	673..1768, 2024..2284		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o3.tw	Method	TBLASTX:Wheat
Start	834	End	1032
GI	none	Score	205
Exons	834..1031, 835..1032		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o1.tw	Method	TBLASTX:Wheat
Start	1083	End	1434
GI	none	Score	318
Exons	1083..1202, 1084..1434, 1232..1276		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o1.tm	Method	TBLASTX:Maize
Start	1084	End	1389
GI	none	Score	242
Exons	1084..1389, 1084..1293		

Seq. No.	49865	Seq. ID	OJ000328_12.0419.C42
Gene No.	105971	Strand	+
Start	1	End	2284
Name	OJ000328_12.0419.C42.o2.tw	Method	TBLASTX:Wheat
Start	1768	End	2121
GI	none	Score	258
Exons	1768..2121, 1768..2046		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1

Gene No.	105972	Strand	+
Start	207	End	2814
Name	OJ000328_13.0419.C1.o1.gp	Method	AAT/GAP
Start	207	End	895
GI	52928_1.R1084	Score	850
Exons	207..397, 485..654, 795..895		
GI Descrip.	'4512685/gb|AAD21739.1| 1.0e-08 (AC006931) hypothetical protein [Arabidopsis thaliana] >gi_4559325_gb_AAD22987.1_AC007087_6 (AC007087) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105972	Strand	+
Start	207	End	2814
Name	OJ000328_13.0419.C1.o1.gs	Method	GENSCAN
Start	277	End	2814
GI	none	Score	.9
Exons	277..397, 485..654, 795..942, 1649..1855, 2708..2814		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105972	Strand	+
Start	207	End	2814
Name	OJ000328_13.0419.C1.o1.np	Method	AAT/NAP
Start	286	End	2790
GI	4512685	Score	280
Exons	286..397, 518..654, 795..957, 1658..1855, 2667..2790		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105973	Strand	+
Start	3217	End	3597
Name	OJ000328_13.0419.C1.o3.gp	Method	AAT/GAP
Start	3217	End	3597
GI	none	Score	736
Exons	3217..3597		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105974	Strand	-
Start	2709	End	2964
Name	OJ000328_13.0419.C1.o2.gp	Method	AAT/GAP
Start	2709	End	2964
GI	none	Score	492
Exons	2709..2964		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o2.ts	Method	TBLASTX:Soybean
Start	801	End	1854
GI	none	Score	127
Exons	801..917, 806..907, 1689..1763, 1690..1854		

Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o2.gs	Method	GENSCAN
Start	3429	End	6174
GI	none	Score	.89

Exons	3429..4064, 4717..4881, 5249..5368, 5531..5722, 5814..5940, 5960..6174		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o2.np	Method	AAT/NAP
Start	3471	End	6202
GI	4544449	Score	1000
Exons	3471..4064, 5531..5722, 5919..6046, 6127..6202		
GI Descrip.	(AC006592) putative peroxidase [Arabidopsis thaliana]		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o1.tc	Method	TBLASTX:Cress
Start	3510	End	3876
GI	none	Score	80
Exons	3510..3644, 3514..3636, 3645..3761, 3664..3762, 3804..3875, 3805..3876		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	3510	End	5731
GI	none	Score	73
Exons	3510..3536, 3555..3767, 3556..3768, 3753..4061, 3874..4083, 5528..5731		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	3801	End	6079
GI	none	Score	225
Exons	3801..4064, 3805..4074, 3964..4074, 5531..5731, 5574..5723, 5950..6069, 5951..6079		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o1.tw	Method	TBLASTX:Wheat
Start	3807	End	5614
GI	none	Score	79
Exons	3807..4064, 3877..4065, 5531..5614		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-
Start	3429	End	6271
Name	OJ000328_13.0419.C1.o2.tc	Method	TBLASTX:Cress
Start	3876	End	5731
GI	none	Score	85
Exons	3876..4061, 3877..4062, 5528..5731, 5643..5723		
Seq. No.	49866	Seq. ID	OJ000328_13.0419.C1
Gene No.	105975	Strand	-

Start	3429	End	6271
Name	OJ000328_13.0419.C1.o4.gp	Method	AAT/GAP
Start	5613	End	6271
GI	25074_1.R1084	Score	869
Exons	5613..5722, 5919..6271		
GI Descrip.	'4544449/gb|AAD22357.1|AC006592_14 2.0e-25 (AC006592) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	49867	Seq. ID	OJ000328_13.0419.C3
Gene No.	105976	Strand	+
Start	1109	End	5772
Name	OJ000328_13.0419.C3.o1.gs	Method	GENSCAN
Start	1109	End	5772
GI	none	Score	.41
Exons	1109..1250, 1823..1894, 1994..2083, 2590..2772, 2862..3720, 4046..4322, 4498..4641, 4956..5772		

Seq. No.	49867	Seq. ID	OJ000328_13.0419.C3
Gene No.	105976	Strand	+
Start	1109	End	5772
Name	OJ000328_13.0419.C3.o2.np	Method	AAT/NAP
Start	1937	End	5625
GI	5042454	Score	3719
Exons	1937..2087, 2454..2560, 2617..4322, 4956..5625		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49867	Seq. ID	OJ000328_13.0419.C3
Gene No.	105977	Strand	-
Start	1490	End	2762
Name	OJ000328_13.0419.C3.o1.np	Method	AAT/NAP
Start	1490	End	2762
GI	7523512	Score	175
Exons	1490..1617, 2735..2762		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49867	Seq. ID	OJ000328_13.0419.C3
Gene No.	105978	Strand	
Start	3128	End	3680
Name	OJ000328_13.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	3128	End	3680
GI	none	Score	34
Exons	3128..3163, 3288..3335, 3342..3440, 3347..3439, 3407..3646, 3423..3680		

Seq. No.	49867	Seq. ID	OJ000328_13.0419.C3
Gene No.	105978	Strand	
Start	3128	End	3680
Name	OJ000328_13.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	3293	End	3578
GI	none	Score	200
Exons	3293..3577, 3330..3578		

Seq. No.	49867	Seq. ID	OJ000328_13.0419.C3
Gene No.	105979	Strand	
Start	4180	End	4323
Name	OJ000328_13.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	4180	End	4323

GI	none	Score	184
Exons	4180..4323, 4185..4319		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105980	Strand	+
Start	1	End	255
Name	OJ000328_13.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	255
GI	5042454	Score	69
Exons	1..46, 199..255		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105981	Strand	+
Start	202	End	663
Name	OJ000328_13.0419.C4.o1.gs	Method	GENSCAN
Start	202	End	663
GI	none	Score	.77
Exons	202..663		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o2.gs	Method	GENSCAN
Start	2747	End	4933
GI	none	Score	.65
Exons	2747..4149, 4168..4233, 4575..4733, 4836..4933		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o2.np	Method	AAT/NAP
Start	2750	End	4984
GI	5803260	Score	875
Exons	2750..3914, 4652..4737, 4825..4984		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	2777	End	4908
GI	none	Score	130
Exons	2777..2890, 2900..3442, 3110..3361, 3120..3434, 3455..3772, 3473..3571, 3480..3599, 3669..3764, 4642..4695, 4705..4734, 4831..4908		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	2870	End	3859
GI	none	Score	52
Exons	2870..3430, 2883..2993, 3039..3431, 3461..3763, 3480..3761, 3767..3859		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4

Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	3056	End	3838
GI	none	Score	212
Exons	3056..3457, 3129..3434, 3452..3604, 3459..3602, 3632..3763, 3669..3764, 3782..3838		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	3134	End	3512
GI	none	Score	108
Exons	3134..3247, 3135..3248, 3254..3511, 3261..3437, 3480..3512		

Seq. No.	49868	Seq. ID	OJ000328_13.0419.C4
Gene No.	105982	Strand	-
Start	2747	End	4984
Name	OJ000328_13.0419.C4.o2.tw	Method	TBLASTX:Wheat
Start	3512	End	3764
GI	none	Score	144
Exons	3512..3745, 3513..3764		

Seq. No.	49869	Seq. ID	OJ000328_13.0419.C5
Gene No.	105983	Strand	-
Start	325	End	1458
Name	OJ000328_13.0419.C5.o1.gs	Method	GENSCAN
Start	325	End	1458
GI	none	Score	.84
Exons	325..459, 976..1458		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105984	Strand	+
Start	519	End	1536
Name	OJ000328_13.0419.C6.o1.gs	Method	GENSCAN
Start	519	End	1536
GI	none	Score	.57
Exons	519..521, 1426..1536		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105985	Strand	+
Start	4434	End	5056
Name	OJ000328_13.0419.C6.o1.gp	Method	AAT/GAP
Start	4434	End	5056
GI	none	Score	1138
Exons	4434..5056		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105986	Strand	-
Start	2884	End	3612
Name	OJ000328_13.0419.C6.o2.gs	Method	GENSCAN
Start	2884	End	3612
GI	none	Score	.75
Exons	2884..2998, 3440..3612		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6

Gene No.	105987	Strand	-
Start	4718	End	22653
Name	OJ000328_13.0419.C6.o3.gs	Method	GENSCAN
Start	4718	End	22653
GI	none	Score	.6
Exons	4718..5820, 6091..6237, 6325..6685, 8239..8811, 9188..9280, 9611..10435, 12045..12580, 12743..13069, 13236..13316, 13496..13737, 13775..13952, 13964..13991, 14097..14237, 14298..14479, 17381..17519, 17777..17961, 20192..20383, 20460..21155, 21319..21483, 21584..22019, 22228..22653		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105987	Strand	-
Start	4718	End	22653
Name	OJ000328_13.0419.C6.o1.np	Method	AAT/NAP
Start	4721	End	8300
GI	3549626	Score	995
Exons	4721..5880, 6091..6237, 6325..6763, 8230..8300		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105987	Strand	-
Start	4718	End	22653
Name	OJ000328_13.0419.C6.o2.gp	Method	AAT/GAP
Start	11727	End	12365
GI	3768316	Score	1155
Exons	11727..12365		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105987	Strand	-
Start	4718	End	22653
Name	OJ000328_13.0419.C6.o3.gp	Method	AAT/GAP
Start	12606	End	13379
GI	87053_1.R1084	Score	1133
Exons	12606..13069, 13236..13379		
GI Descrip.	'4826399/emb|CAB42872.1| 3.0e-22 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	4847	End	31826
GI	none	Score	230
Exons	4847..5398, 5055..5399, 5429..5731, 5448..5633, 5453..5719, 5673..5729, 5747..5818, 5769..5810, 12018..12578, 12274..12528, 12609..12935, 12628..12813, 12630..12908, 12915..13007, 12958..13005, 20109..20390, 20116..20229, 20392..20664, 20393..20614, 20695..21021, 20714..20899, 21001..21093, 30843..31394, 31087..31344, 31113..31385, 31425..31727, 31428..31730, 31462..31776, 31743..31826		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	4868	End	32790

GI	none	Score	226
Exons	4868..5395, 5079..5396, 5429..5731, 5448..5567, 5459..5731, 5670..5738, 5741..5881, 6326..6421, 6416..6505, 6668..6718, 6734..6817, 12051..12575, 12214..12528, 12288..12536, 12603..12908, 12628..12807, 12933..13070, 13515..13601, 13596..13715, 20142..20390, 20392..20661, 20393..20614, 20446..20661, 20689..20994, 20714..20833, 21019..21159, 21579..21680, 21675..21794, 30864..31730, 31057..31344, 31125..31367, 31447..31737, 31755..31892, 32608..32670, 32695..32790		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	5024	End	31805
GI	none	Score	179
Exons	5024..5395, 5091..5399, 5429..5572, 5594..5767, 5747..5797, 12204..12575, 12273..12389, 12277..12528, 12600..12752, 12628..12750, 12780..12908, 12924..12986, 20295..20390, 20392..20661, 20393..20614, 20686..20838, 20714..20836, 20866..20994, 21010..21072, 31020..31577, 31087..31344, 31456..31578, 31588..31668, 31599..31730, 31749..31805		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	5084	End	31478
GI	none	Score	121
Exons	5084..5215, 5091..5216, 5222..5407, 5229..5342, 5444..5479, 5448..5480, 12282..12395, 12283..12396, 12385..12522, 12402..12659, 12628..12660, 20392..20481, 20393..20482, 20500..20745, 20504..20608, 20714..20746, 31080..31211, 31087..31212, 31218..31391, 31222..31338, 31443..31478		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o2.tw	Method	TBLASTX:Wheat
Start	5429	End	31731
GI	none	Score	87
Exons	5429..5713, 5481..5618, 5685..5732, 12660..12893, 12661..12792, 12821..12877, 12862..12927, 20746..20979, 20747..20893, 20948..21013, 31428..31712, 31480..31731		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o2.tm	Method	TBLASTX:Maize
Start	17388	End	17793
GI	none	Score	37
Exons	17388..17417, 17389..17421, 17455..17490, 17456..17578, 17484..17510, 17526..17570, 17570..17707, 17588..17773, 17630..17671, 17672..17776, 17673..17783, 17770..17793		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6

Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o2.np	Method	AAT/NAP
Start	30694	End	34439
GI	4966347	Score	764
Exons	30694..31888, 32419..32526, 32607..32669, 34393..34439		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	49870	Seq. ID	OJ000328_13.0419.C6
Gene No.	105988	Strand	-
Start	30694	End	34439
Name	OJ000328_13.0419.C6.o3.np	Method	AAT/NAP
Start	34290	End	34439
GI	6907086	Score	126
Exons	34290..34439		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105989	Strand	+
Start	18654	End	19234
Name	OJ000328_13.0419.C7.o4.gs	Method	GENSCAN
Start	18654	End	19234
GI	none	Score	.48
Exons	18654..18945, 19185..19234		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105990	Strand	+
Start	20004	End	24974
Name	OJ000328_13.0419.C7.o5.gs	Method	GENSCAN
Start	20004	End	24957
GI	none	Score	.62
Exons	20004..20138, 20943..21042, 21410..21837, 22205..22293, 23087..23153, 23240..23355, 23889..23955, 24736..24957		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105990	Strand	+
Start	20004	End	24974
Name	OJ000328_13.0419.C7.o5.np	Method	AAT/NAP
Start	21634	End	24974
GI	4544451	Score	770
Exons	21634..21837, 22205..22293, 23087..23153, 23240..23355, 23889..23955, 24069..24117, 24541..24626, 24736..24974		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105990	Strand	+
Start	20004	End	24974
Name	OJ000328_13.0419.C7.o1.gp	Method	AAT/GAP
Start	23884	End	24974
GI	2428542	Score	814
Exons	23884..23955, 24069..24117, 24541..24626, 24736..24974		
GI Descrip.	4544451/gb|AAD22359.1|AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105991	Strand	-

Start	1	End	943
Name	OJ000328_13.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	943
GI	6907086	Score	922
Exons	1..128, 186..943		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105992	Strand	-
Start	3572	End	4854
Name	OJ000328_13.0419.C7.o2.gs	Method	GENSCAN
Start	3572	End	4854
GI	none	Score	.89
Exons	3572..3616, 4402..4854		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-
Start	7601	End	17845
Name	OJ000328_13.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	4648	End	16150
GI	none	Score	264
Exons	4648..4743, 11104..11631, 11105..11632, 11659..11976, 11662..11706, 11675..11803, 11752..11976, 11846..11977, 12721..12795, 12859..12903, 12949..13005, 13054..13158, 16091..16150		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-
Start	7601	End	17845
Name	OJ000328_13.0419.C7.o3.gs	Method	GENSCAN
Start	7601	End	17845
GI	none	Score	.57
Exons	7601..7745, 8359..8549, 8696..8973, 9511..9663, 9738..9832, 10241..10399, 10958..11978, 12465..12626, 12720..13151, 15684..15717, 15806..15911, 15925..16191, 16596..16801, 16872..17001, 17376..17572, 17624..17845		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-
Start	7601	End	17845
Name	OJ000328_13.0419.C7.o2.np	Method	AAT/NAP
Start	10957	End	14847
GI	5803260	Score	973
Exons	10957..12118, 12545..12636, 12715..13107, 14819..14847		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-
Start	7601	End	17845
Name	OJ000328_13.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	11074	End	12063
GI	none	Score	230
Exons	11074..11634, 11078..11635, 11665..11967, 11669..11965, 11986..12063		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-

Start	7601	End	17845
Name	OJ000328_13.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	11260	End	12042
GI	none	Score	200
Exons	11260..11631, 11339..11647, 11656..11808, 11663..11806, 11825..11950, 11836..11967, 11986..12042		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-
Start	7601	End	17845
Name	OJ000328_13.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	11338	End	11716
GI	none	Score	96
Exons	11338..11451, 11339..11452, 11458..11715, 11465..11578, 11675..11716		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105993	Strand	-
Start	7601	End	17845
Name	OJ000328_13.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	11716	End	11953
GI	none	Score	138
Exons	11716..11949, 11717..11953		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105994	Strand	
Start	19046	End	19343
Name	OJ000328_13.0419.C7.o4.tm	Method	TBLASTX:Maize
Start	19046	End	19343
GI	none	Score	241
Exons	19046..19153, 19047..19343, 19047..19256, 19178..19315		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105995	Strand	
Start	22223	End	24798
Name	OJ000328_13.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	22223	End	24608
GI	none	Score	64
Exons	22223..22273, 23082..23156, 23084..23155, 23086..23157, 23228..23395, 23231..23353, 23263..23394, 23878..23973, 23887..23955, 24068..24118, 24069..24116, 24545..24607, 24546..24608		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105995	Strand	
Start	22223	End	24798
Name	OJ000328_13.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	23094	End	24798
GI	none	Score	66
Exons	23094..23156, 23216..23395, 23237..23356, 23263..23382, 23878..23973, 23895..23957, 24069..24116, 24540..24629, 24542..24616, 24735..24797, 24736..24798		

Seq. No.	49871	Seq. ID	OJ000328_13.0419.C7
Gene No.	105996	Strand	
Start	24819	End	24974
Name	OJ000328_13.0419.C7.o3.tm	Method	TBLASTX:Maize

Start	24819	End	24974
GI	none	Score	249
Exons	24819..24974, 24820..24972, 24858..24974		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	105997	Strand	+
Start	1	End	5293
Name	OJ000328_13.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	2699
GI	4544451	Score	750
Exons	1..42, 258..350, 1001..1108, 1205..1430, 1517..2072, 2173..2401, 2458..2699		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	105997	Strand	+
Start	1	End	5293
Name	OJ000328_13.0419.C8.o1.gs	Method	GENSCAN
Start	258	End	5293
GI	none	Score	.73
Exons	258..350, 1001..1430, 1549..2072, 2173..2401, 2482..2768, 5150..5293		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	105997	Strand	+
Start	1	End	5293
Name	OJ000328_13.0419.C8.o1.gp	Method	AAT/GAP
Start	2248	End	2623
GI	2798447	Score	509
Exons	2248..2401, 2482..2623		
GI Descrip.	4490751/emb|CAB38913.1| 3.0e-14 (AL035708) proliferating-cell nucleolar antigen-like protein [Arabidopsis thaliana]		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	105998	Strand	+
Start	6415	End	9824
Name	OJ000328_13.0419.C8.o2.gs	Method	GENSCAN
Start	6415	End	9824
GI	none	Score	.85
Exons	6415..6481, 6766..6838, 7525..7560, 9528..9565, 9655..9824		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	105999	Strand	+
Start	12966	End	21587
Name	OJ000328_13.0419.C8.o3.gs	Method	GENSCAN
Start	12966	End	21587
GI	none	Score	.61
Exons	12966..13118, 16727..17228, 17451..17530, 17655..18164, 19514..19591, 19783..19869, 19990..20118, 20243..20434, 20602..20688, 20916..21587		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	105999	Strand	+
Start	12966	End	21587
Name	OJ000328_13.0419.C8.o2.np	Method	AAT/NAP
Start	16638	End	21563
GI	4063751	Score	776

Exons	16638..16962, 17063..17228, 17451..17530, 17640..18104, 19783..19905, 19999..20118, 20243..20434, 20916..21563		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106000	Strand	-
Start	2738	End	3171
Name	OJ000328_13.0419.C8.o2.gp	Method	AAT/GAP
Start	2738	End	3171
GI	46033_1.R1084	Score	843
Exons	2738..3171		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	1283	End	1912
GI	none	Score	198
Exons	1283..1435, 1292..1435, 1293..1445, 1535..1813, 1551..1817, 1603..1818, 1808..1852, 1809..1865, 1841..1912, 1842..1910, 1843..1911		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	2197	End	2628
GI	5057841	Score	261
Exons	2197..2403, 2199..2408, 2495..2614, 2496..2618, 2503..2628		
GI Descrip.	4544451/gb_AAD22359.1_AC006592_16 8.0e-34 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	2295	End	2614
GI	none	Score	181
Exons	2295..2402, 2296..2406, 2480..2614, 2481..2612		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	17033	End	19890
GI	none	Score	44
Exons	17033..17095, 17129..17248, 17137..17250, 17450..17524, 17640..17711, 17645..17707, 17712..18110, 17825..18082, 19756..19890, 19782..19841		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o2.ts	Method	TBLASTX:Soybean

Start	17119	End	18104
GI	none	Score	138
Exons	17119..17232, 17129..17248, 17443..17529, 17450..17530, 17643..17987, 17816..17986, 17984..18094, 17988..18104		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	17636	End	19872
GI	none	Score	442
Exons	17636..17722, 17637..18110, 17825..18094, 19732..19872, 19776..19841		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	20237	End	21278
GI	none	Score	173
Exons	20237..20440, 20276..20371, 20278..20448, 20586..20690, 20590..20694, 20910..21278, 20910..20948, 20927..21052, 21104..21262		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o4.ts	Method	TBLASTX:Soybean
Start	20258	End	20440
GI	none	Score	196
Exons	20258..20440, 20278..20376, 20312..20377		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o3.tc	Method	TBLASTX:Cress
Start	20275	End	20694
GI	none	Score	196
Exons	20275..20454, 20276..20440, 20287..20454, 20590..20694, 20601..20690		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	20909	End	21551
GI	none	Score	387
Exons	20909..21028, 20910..21350, 21107..21238, 21399..21551		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	20910	End	21509
GI	none	Score	520
Exons	20910..21374, 20927..21328, 21347..21508, 21348..21509		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	20985	End	21355
GI	none	Score	289
Exons	20985..21353, 21107..21355		

Seq. No.	49872	Seq. ID	OJ000328_13.0419.C8
Gene No.	106001	Strand	-
Start	21462	End	21779
Name	OJ000328_13.0419.C8.o4.gp	Method	AAT/GAP
Start	21462	End	21779
GI	none	Score	604
Exons	21462..21779		

Seq. No.	49873	Seq. ID	OJ000208_14.0419.C2
Gene No.	106002	Strand	+
Start	221	End	882
Name	OJ000208_14.0419.C2.o1.gp	Method	AAT/GAP
Start	165	End	596
GI	2428752	Score	614
Exons	165..440, 534..596		

Seq. No.	49873	Seq. ID	OJ000208_14.0419.C2
Gene No.	106002	Strand	+
Start	221	End	882
Name	OJ000208_14.0419.C2.o1.gs	Method	GENSCAN
Start	221	End	853
GI	none	Score	.95
Exons	221..440, 534..853		

Seq. No.	49873	Seq. ID	OJ000208_14.0419.C2
Gene No.	106002	Strand	+
Start	221	End	882
Name	OJ000208_14.0419.C2.o1.np	Method	AAT/NAP
Start	245	End	882
GI	6453865	Score	169
Exons	245..440, 534..882		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49874	Seq. ID	OJ000208_14.0419.C3
Gene No.	106003	Strand	+
Start	1493	End	1978
Name	OJ000208_14.0419.C3.o1.gs	Method	GENSCAN
Start	1493	End	1978
GI	none	Score	.43
Exons	1493..1601, 1953..1978		

Seq. No.	49875	Seq. ID	OJ000208_14.0419.C4
Gene No.	106004	Strand	+
Start	456	End	710
Name	OJ000208_14.0419.C4.o1.gs	Method	GENSCAN
Start	456	End	710
GI	none	Score	.66
Exons	456..470, 645..710		

Seq. No.	49876	Seq. ID	OJ000208_14.0419.C6
Gene No.	106005	Strand	-
Start	580	End	748
Name	OJ000208_14.0419.C6.o1.gs	Method	GENSCAN
Start	580	End	748
GI	none	Score	.73
Exons	580..748		

Seq. No.	49876	Seq. ID	OJ000208_14.0419.C6
Gene No.	106006	Strand	-
Start	658	End	848
Name	OJ000208_14.0419.C6.o1.np	Method	AAT/NAP
Start	658	End	848
GI	7340868	Score	179
Exons	658..848		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	49877	Seq. ID	OJ000208_14.0419.C13
Gene No.	106007	Strand	-
Start	564	End	935
Name	OJ000208_14.0419.C13.o1.gs	Method	GENSCAN
Start	564	End	935
GI	none	Score	.7
Exons	564..935		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106008	Strand	+
Start	708	End	1186
Name	OJ000208_14.0419.C14.o1.gs	Method	GENSCAN
Start	708	End	1186
GI	none	Score	.56
Exons	708..851, 914..1186		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106009	Strand	-
Start	1	End	147
Name	OJ000208_14.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	147
GI	7523502	Score	131
Exons	1..147		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106010	Strand	-
Start	775	End	3214
Name	OJ000208_14.0419.C14.o2.np	Method	AAT/NAP
Start	775	End	3214
GI	7340864	Score	928
Exons	775..1311, 1596..3214		
GI Descrip.	(AP001551) Similar to Oryza sativa protein kinase (OSPK10) mRNA. (L27821)		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106010	Strand	-
Start	775	End	3214
Name	OJ000208_14.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	927	End	3105

GI	none	Score	105
Exons	927..1004, 1749..1928, 1761..1922, 1765..1926, 1941..2030, 2319..2429, 2937..3104, 2995..3105		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106010	Strand	-
Start	775	End	3214
Name	OJ000208_14.0419.C14.o2.gs	Method	GENSCAN
Start	1656	End	2981
GI	none	Score	.87
Exons	1656..2981		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106010	Strand	-
Start	775	End	3214
Name	OJ000208_14.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	1722	End	2030
GI	none	Score	125
Exons	1722..1928, 1740..1925, 1759..2022, 1926..2030		

Seq. No.	49878	Seq. ID	OJ000208_14.0419.C14
Gene No.	106010	Strand	-
Start	775	End	3214
Name	OJ000208_14.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	1737	End	2097
GI	none	Score	99
Exons	1737..1931, 1747..1890, 1947..2042, 1948..2097		

Seq. No.	49879	Seq. ID	OJ000208_14.0419.C15
Gene No.	106011	Strand	+
Start	14	End	1628
Name	OJ000208_14.0419.C15.o1.gs	Method	GENSCAN
Start	14	End	1628
GI	none	Score	.43
Exons	14..122, 724..908, 1560..1628		

Seq. No.	49880	Seq. ID	OJ000208_14.0419.C16
Gene No.	106012	Strand	-
Start	555	End	827
Name	OJ000208_14.0419.C16.o1.gs	Method	GENSCAN
Start	555	End	827
GI	none	Score	.73
Exons	555..827		

Seq. No.	49881	Seq. ID	OJ000208_14.0419.C17
Gene No.	106013	Strand	+
Start	2920	End	3188
Name	OJ000208_14.0419.C17.o1.gs	Method	GENSCAN
Start	2920	End	3188
GI	none	Score	.66
Exons	2920..2977, 3108..3188		

Seq. No.	49882	Seq. ID	OJ000208_14.0419.C18
Gene No.	106014	Strand	+
Start	243	End	614
Name	OJ000208_14.0419.C18.o1.gs	Method	GENSCAN
Start	243	End	614

GI	none	Score	.67
Exons	243..347, 448..614		

Seq. No.	49882	Seq. ID	OJ000208_14.0419.C18
Gene No.	106015	Strand	+
Start	1218	End	3007
Name	OJ000208_14.0419.C18.o1.np	Method	AAT/NAP
Start	1218	End	3007
GI	4454460	Score	65
Exons	1218..1238, 2861..3007		
GI Descrip.	(AC006234) AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	49882	Seq. ID	OJ000208_14.0419.C18
Gene No.	106016	Strand	-
Start	1281	End	2778
Name	OJ000208_14.0419.C18.o2.gs	Method	GENSCAN
Start	1281	End	2778
GI	none	Score	.44
Exons	1281..1416, 2157..2204, 2528..2778		

Seq. No.	49883	Seq. ID	OJ000208_14.0419.C19
Gene No.	106017	Strand	+
Start	321	End	1300
Name	OJ000208_14.0419.C19.o1.gs	Method	GENSCAN
Start	321	End	1300
GI	none	Score	.54
Exons	321..383, 532..680, 1186..1300		

Seq. No.	49883	Seq. ID	OJ000208_14.0419.C19
Gene No.	106018	Strand	-
Start	2536	End	2697
Name	OJ000208_14.0419.C19.o2.gs	Method	GENSCAN
Start	2536	End	2697
GI	none	Score	.91
Exons	2536..2697		

Seq. No.	49884	Seq. ID	OJ000208_14.0419.C21
Gene No.	106019	Strand	+
Start	211	End	383
Name	OJ000208_14.0419.C21.o1.gs	Method	GENSCAN
Start	211	End	383
GI	none	Score	.94
Exons	211..283, 331..383		

Seq. No.	49884	Seq. ID	OJ000208_14.0419.C21
Gene No.	106020	Strand	-
Start	1	End	467
Name	OJ000208_14.0419.C21.o1.gp	Method	AAT/GAP
Start	1	End	467
GI	29055_1.R1084	Score	891
Exons	1..467		
GI Descrip.	'4512671/gb|AAD21725.1| 9.0e-11 (AC006931) unknown protein [Arabidopsis thaliana] >gi_4929128_gb_AAD33868.1_AF141375_1 (AF141375) protodermal factor 1 [Arabidopsis thaliana] >gi_4929130_gb_AAD33869.1_AF141376_1 (AF141376) protodermal factor 1 [Arabidopsis thaliana]'		

Seq. No.	49885	Seq. ID	OJ000208_14.0419.C22
Gene No.	106021	Strand	+
Start	47	End	174
Name	OJ000208_14.0419.C22.o1.gs	Method	GENSCAN
Start	47	End	174
GI	none	Score	.89
Exons	47..174		

Seq. No.	49885	Seq. ID	OJ000208_14.0419.C22
Gene No.	106022	Strand	+
Start	1390	End	2016
Name	OJ000208_14.0419.C22.o1.np	Method	AAT/NAP
Start	1390	End	2016
GI	7228450	Score	203
Exons	1390..1599, 1699..1835, 1905..2016		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	49885	Seq. ID	OJ000208_14.0419.C22
Gene No.	106023	Strand	-
Start	2149	End	4116
Name	OJ000208_14.0419.C22.o2.gs	Method	GENSCAN
Start	2149	End	4116
GI	none	Score	.69
Exons	2149..2308, 4026..4116		

Seq. No.	49886	Seq. ID	OJ000208_14.0419.C25
Gene No.	106024	Strand	+
Start	342	End	450
Name	OJ000208_14.0419.C25.o1.gs	Method	GENSCAN
Start	342	End	450
GI	none	Score	.43
Exons	342..450		

Seq. No.	49886	Seq. ID	OJ000208_14.0419.C25
Gene No.	106025	Strand	+
Start	2126	End	2208
Name	OJ000208_14.0419.C25.o1.np	Method	AAT/NAP
Start	2126	End	2208
GI	6630699	Score	85
Exons	2126..2208		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	49886	Seq. ID	OJ000208_14.0419.C25
Gene No.	106026	Strand	+
Start	2344	End	2763
Name	OJ000208_14.0419.C25.o2.np	Method	AAT/NAP
Start	2344	End	2763
GI	6539570	Score	134
Exons	2344..2537, 2697..2763		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	49886	Seq. ID	OJ000208_14.0419.C25
Gene No.	106027	Strand	-
Start	2348	End	2643

Name	OJ000208_14.0419.C25.o2.gs	Method	GENSCAN
Start	2348	End	2643
GI	none	Score	.46
Exons	2348..2643		

Seq. No.	49887	Seq. ID	OJ000208_14.0419.C26
Gene No.	106028	Strand	-
Start	582	End	1203
Name	OJ000208_14.0419.C26.o1.gs	Method	GENSCAN
Start	582	End	1203
GI	none	Score	.47
Exons	582..686, 1042..1203		

Seq. No.	49888	Seq. ID	OJ000208_14.0419.C33
Gene No.	106029	Strand	-
Start	20	End	820
Name	OJ000208_14.0419.C33.o1.gs	Method	GENSCAN
Start	20	End	820
GI	none	Score	.44
Exons	20..210, 447..477, 815..820		

Seq. No.	49889	Seq. ID	OJ000208_14.0419.C36
Gene No.	106030	Strand	+
Start	1771	End	2917
Name	OJ000208_14.0419.C36.o1.gp	Method	AAT/GAP
Start	1771	End	2208
GI	2428644	Score	796
Exons	1771..2208		

Seq. No.	49889	Seq. ID	OJ000208_14.0419.C36
Gene No.	106030	Strand	+
Start	1771	End	2917
Name	OJ000208_14.0419.C36.o1.gs	Method	GENSCAN
Start	1793	End	2917
GI	none	Score	.44
Exons	1793..2917		

Seq. No.	49889	Seq. ID	OJ000208_14.0419.C36
Gene No.	106030	Strand	+
Start	1771	End	2917
Name	OJ000208_14.0419.C36.o2.gp	Method	AAT/GAP
Start	2215	End	2718
GI	none	Score	980
Exons	2215..2718		

Seq. No.	49889	Seq. ID	OJ000208_14.0419.C36
Gene No.	106031	Strand	+
Start	2939	End	3005
Name	OJ000208_14.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	1787	End	2767
GI	none	Score	367
Exons	1787..2161, 1788..2072, 1796..2077, 2072..2239, 2073..2153, 2217..2282, 2268..2396, 2268..2345, 2288..2449, 2296..2406, 2438..2596, 2447..2602, 2452..2604, 2491..2625, 2622..2705, 2632..2763, 2633..2767		

Seq. No.	49889	Seq. ID	OJ000208_14.0419.C36

Gene No.	106031	Strand	+
Start	2939	End	3005
Name	OJ000208_14.0419.C36.o3.gp	Method	AAT/GAP
Start	2939	End	3005
GI	5056000	Score	130
Exons	2939..3005		

Seq. No.	49890	Seq. ID	OJ000208_14.0419.C39
Gene No.	106032	Strand	+
Start	268	End	772
Name	OJ000208_14.0419.C39.o1.gs	Method	GENSCAN
Start	268	End	772
GI	none	Score	.44
Exons	268..640, 687..772		

Seq. No.	49891	Seq. ID	OJ000208_14.0419.C40
Gene No.	106033	Strand	+
Start	100	End	629
Name	OJ000208_14.0419.C40.o1.gs	Method	GENSCAN
Start	100	End	629
GI	none	Score	.85
Exons	100..127, 535..629		

Seq. No.	49892	Seq. ID	OJ000208_14.0419.C41
Gene No.	106034	Strand	+
Start	564	End	894
Name	OJ000208_14.0419.C41.o1.gs	Method	GENSCAN
Start	564	End	894
GI	none	Score	.87
Exons	564..572, 616..894		

Seq. No.	49892	Seq. ID	OJ000208_14.0419.C41
Gene No.	106035	Strand	-
Start	123	End	311
Name	OJ000208_14.0419.C41.o1.gp	Method	AAT/GAP
Start	123	End	311
GI	5771122	Score	329
Exons	123..311		

Seq. No.	49893	Seq. ID	OJ000208_14.0419.C42
Gene No.	106036	Strand	+
Start	1	End	857
Name	OJ000208_14.0419.C42.o1.np	Method	AAT/NAP
Start	1	End	857
GI	7340864	Score	122
Exons	1..166, 613..857		
GI Descrip.	(AP001551) Similar to Oryza sativa protein kinase (OSPK10) mRNA. (L27821)		

Seq. No.	49893	Seq. ID	OJ000208_14.0419.C42
Gene No.	106036	Strand	+
Start	1	End	857
Name	OJ000208_14.0419.C42.o1.gs	Method	GENSCAN
Start	400	End	832
GI	none	Score	.52
Exons	400..548, 600..832		

Seq. No.	49894	Seq. ID	OJ000208_14.0419.C43
Gene No.	106037	Strand	+
Start	1	End	368
Name	OJ000208_14.0419.C43.o1.np	Method	AAT/NAP
Start	1	End	368
GI	7340864	Score	251
Exons	1..368		
GI Descrip.	(AP001551) Similar to Oryza sativa protein kinase (OSPK10) mRNA. (L27821)		

Seq. No.	49894	Seq. ID	OJ000208_14.0419.C43
Gene No.	106038	Strand	+
Start	5784	End	7459
Name	OJ000208_14.0419.C43.o2.gs	Method	GENSCAN
Start	5784	End	7459
GI	none	Score	.44
Exons	5784..5813, 6302..6403, 6523..6649, 7020..7459		

Seq. No.	49894	Seq. ID	OJ000208_14.0419.C43
Gene No.	106039	Strand	-
Start	1	End	7556
Name	OJ000208_14.0419.C43.o2.np	Method	AAT/NAP
Start	1	End	7556
GI	134920	Score	69
Exons	1..20, 2770..2895, 3730..3769, 7160..7299, 7526..7556		
GI Descrip.	SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) gi|99441|pir||A33647 sulfated surface glycoprotein 185 - Volvox carteri gi|1405821|emb|CAA35953| (X51616) SULFATED SURFACE GLYCOPROTEIN 185 [Volvox carteri]		

Seq. No.	49894	Seq. ID	OJ000208_14.0419.C43
Gene No.	106039	Strand	-
Start	1	End	7556
Name	OJ000208_14.0419.C43.o1.tm	Method	TBLASTX:Maize
Start	3	End	373
GI	none	Score	112
Exons	3..119, 126..293, 137..226, 344..373		

Seq. No.	49895	Seq. ID	OJ000208_14.0419.C44
Gene No.	106040	Strand	+
Start	1291	End	1393
Name	OJ000208_14.0419.C44.o1.gs	Method	GENSCAN
Start	1291	End	1393
GI	none	Score	.98
Exons	1291..1393		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106041	Strand	+
Start	1	End	4585
Name	OJ000208_14.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	3399
GI	6466937	Score	1950
Exons	1..69, 201..3399		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46

Gene No.	106041	Strand	+
Start	1	End	4585
Name	OJ000208_14.0419.C46.o2.np	Method	AAT/NAP
Start	1	End	4585
GI	4680186	Score	381
Exons	1..89, 3494..3547, 4385..4585		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106041	Strand	+
Start	1	End	4585
Name	OJ000208_14.0419.C46.o1.gs	Method	GENSCAN
Start	46	End	2950
GI	none	Score	.6
Exons	46..126, 309..368, 514..567, 952..1120, 1160..1321, 1499..1605, 2408..2950		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106042	Strand	-
Start	4137	End	4518
Name	OJ000208_14.0419.C46.o1.gp	Method	AAT/GAP
Start	4137	End	4518
GI	uC-osf1cyp033a04b1	Score	663
Exons	4137..4518		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o6.tm	Method	TBLASTX:Maize
Start	532	End	843
GI	none	Score	204
Exons	532..843, 574..750		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o2.tw	Method	TBLASTX:Wheat
Start	1015	End	1512
GI	none	Score	229
Exons	1015..1329, 1134..1334, 1333..1512		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o4.ts	Method	TBLASTX:Soybean
Start	1051	End	1383
GI	none	Score	193
Exons	1051..1329, 1336..1383		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o3.tm	Method	TBLASTX:Maize
Start	1075	End	1566
GI	none	Score	303

Exons	1075..1329, 1078..1338, 1079..1339, 1336..1566, 1336..1548, 1410..1553		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o2.ts	Method	TBLASTX:Soybean
Start	1489	End	1851
GI	none	Score	129
Exons	1489..1656, 1494..1625, 1661..1840, 1711..1851		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o3.tw	Method	TBLASTX:Wheat
Start	1564	End	1966
GI	none	Score	55
Exons	1564..1656, 1661..1966, 1711..1932		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o2.tm	Method	TBLASTX:Maize
Start	1591	End	2134
GI	none	Score	83
Exons	1591..1656, 1593..1634, 1661..2116, 1678..2115, 1913..2134, 1926..2132		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o3.ts	Method	TBLASTX:Soybean
Start	1876	End	2131
GI	none	Score	211
Exons	1876..2082, 1877..2131		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o4.tm	Method	TBLASTX:Maize
Start	2135	End	2536
GI	none	Score	158
Exons	2135..2293, 2306..2536		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	2291	End	2710
GI	none	Score	379
Exons	2291..2710, 2335..2676, 2645..2707		
Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	2543	End	3180

GI	none	Score	749
Exons	2543..3178, 2543..3148, 2676..3176, 2713..3180		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o1.ts	Method	TBLASTX:Soybean
Start	2579	End	2935
GI	none	Score	346
Exons	2579..2935, 2627..2926		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o4.tw	Method	TBLASTX:Wheat
Start	2798	End	3190
GI	none	Score	269
Exons	2798..3190, 2893..3177		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o5.tm	Method	TBLASTX:Maize
Start	3181	End	3397
GI	none	Score	237
Exons	3181..3255, 3182..3397, 3307..3393		

Seq. No.	49896	Seq. ID	OJ000208_14.0419.C46
Gene No.	106043	Strand	-
Start	4912	End	5524
Name	OJ000208_14.0419.C46.o2.gs	Method	GENSCAN
Start	4912	End	5524
GI	none	Score	.41
Exons	4912..5031, 5363..5524		

Seq. No.	49897	Seq. ID	OJ000208_14.0419.C47
Gene No.	106044	Strand	-
Start	1989	End	3005
Name	OJ000208_14.0419.C47.o1.gs	Method	GENSCAN
Start	1989	End	3005
GI	none	Score	.91
Exons	1989..2042, 2359..2480, 2924..3005		

Seq. No.	49898	Seq. ID	OJ000208_14.0419.C49
Gene No.	106045	Strand	+
Start	824	End	7364
Name	OJ000208_14.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	816	End	1040
GI	none	Score	233
Exons	816..926, 823..1014, 978..1040		

Seq. No.	49898	Seq. ID	OJ000208_14.0419.C49
Gene No.	106045	Strand	+
Start	824	End	7364
Name	OJ000208_14.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	823	End	1014
GI	none	Score	206

Exons	823..1014		
Seq. No.	49898	Seq. ID	OJ000208_14.0419.C49
Gene No.	106045	Strand	+
Start	824	End	7364
Name	OJ000208_14.0419.C49.o1.np	Method	AAT/NAP
Start	824	End	1050
GI	4903139	Score	225
Exons	824..1050		
GI Descrip.	(AB027456) extensive homology to FT (FLOWERING LOCUS T, AB027504) and TSF (TWIN SISTER OF FT, AB027506) genes of Arabidopsis thaliana; similar to mammalian phophatidylethanolamine binding protein (PEBP) and hippocampal cholin...		
Seq. No.	49898	Seq. ID	OJ000208_14.0419.C49
Gene No.	106045	Strand	+
Start	824	End	7364
Name	OJ000208_14.0419.C49.o1.gs	Method	GENSCAN
Start	862	End	6553
GI	none	Score	.54
Exons	862..1030, 5749..5942, 6407..6553		
Seq. No.	49898	Seq. ID	OJ000208_14.0419.C49
Gene No.	106045	Strand	+
Start	824	End	7364
Name	OJ000208_14.0419.C49.o2.np	Method	AAT/NAP
Start	5081	End	7364
GI	5734621	Score	96
Exons	5081..5110, 7203..7364		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		
Seq. No.	49899	Seq. ID	OJ000208_14.0419.C54
Gene No.	106046	Strand	-
Start	1	End	841
Name	OJ000208_14.0419.C54.o1.np	Method	AAT/NAP
Start	1	End	841
GI	1076748	Score	644
Exons	1..138, 247..308, 382..841		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		
Seq. No.	49899	Seq. ID	OJ000208_14.0419.C54
Gene No.	106046	Strand	-
Start	1	End	841
Name	OJ000208_14.0419.C54.o1.tm	Method	TBLASTX:Maize
Start	1	End	803
GI	none	Score	102
Exons	1..138, 1..117, 3..194, 245..298, 246..308, 379..672, 392..526, 587..673, 675..731, 676..747, 726..803, 742..786		
Seq. No.	49899	Seq. ID	OJ000208_14.0419.C54
Gene No.	106046	Strand	-
Start	1	End	841
Name	OJ000208_14.0419.C54.o1.tw	Method	TBLASTX:Wheat

Start	1	End	669
GI	none	Score	124
Exons	1..138, 1..117, 3..137, 245..298, 246..305, 248..307, 598..669		

Seq. No.	49899	Seq. ID	OJ000208_14.0419.C54
Gene No.	106046	Strand	-
Start	1	End	841
Name	OJ000208_14.0419.C54.o1.ts	Method	TBLASTX:Soybean
Start	3	End	803
GI	none	Score	86
Exons	3..137, 43..138, 246..308, 379..534, 380..520, 589..672, 687..776, 732..803		

Seq. No.	49899	Seq. ID	OJ000208_14.0419.C54
Gene No.	106046	Strand	-
Start	1	End	841
Name	OJ000208_14.0419.C54.o1.gs	Method	GENSCAN
Start	35	End	672
GI	none	Score	.99
Exons	35..308, 382..672		

Seq. No.	49899	Seq. ID	OJ000208_14.0419.C54
Gene No.	106046	Strand	-
Start	1	End	841
Name	OJ000208_14.0419.C54.o1.tc	Method	TBLASTX:Cress
Start	42	End	803
GI	none	Score	69
Exons	42..137, 85..138, 249..362, 379..507, 392..529, 499..672, 584..658, 675..776, 738..803		

Seq. No.	49900	Seq. ID	OJ000208_14.0419.C55
Gene No.	106047	Strand	+
Start	217	End	3085
Name	OJ000208_14.0419.C55.o1.gs	Method	GENSCAN
Start	217	End	3085
GI	none	Score	.48
Exons	217..396, 717..765, 2981..3085		

Seq. No.	49900	Seq. ID	OJ000208_14.0419.C55
Gene No.	106048	Strand	-
Start	4640	End	5009
Name	OJ000208_14.0419.C55.o2.gs	Method	GENSCAN
Start	4640	End	5009
GI	none	Score	.75
Exons	4640..4712, 4834..5009		

Seq. No.	49900	Seq. ID	OJ000208_14.0419.C55
Gene No.	106049	Strand	-
Start	5192	End	7256
Name	OJ000208_14.0419.C55.o1.np	Method	AAT/NAP
Start	5192	End	7256
GI	419789	Score	274
Exons	5192..5291, 6624..7256		
GI Descrip.	hypothetical protein - potato		

Seq. No.	49900	Seq. ID	OJ000208_14.0419.C55
Gene No.	106049	Strand	-

Start	5192	End	7256
Name	OJ000208_14.0419.C55.o3.gs	Method	GENSCAN
Start	6195	End	7222
GI	none	Score	.53
Exons	6195..6530, 6566..7222		

Seq. No.	49900	Seq. ID	OJ000208_14.0419.C55
Gene No.	106049	Strand	-
Start	5192	End	7256
Name	OJ000208_14.0419.C55.o1.ts	Method	TBLASTX:Soybean
Start	6713	End	7159
GI	none	Score	39
Exons	6713..6802, 6744..6932, 6828..6896, 6935..7051, 7052..7159		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o1.gs	Method	GENSCAN
Start	219	End	3966
GI	none	Score	.45
Exons	219..1200, 2306..2505, 2592..2787, 3053..3063, 3801..3966		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o1.tc	Method	TBLASTX:Cress
Start	303	End	858
GI	none	Score	162
Exons	303..497, 342..524, 501..806, 504..857, 689..856, 730..858		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o3.tm	Method	TBLASTX:Maize
Start	377	End	603
GI	none	Score	68
Exons	377..472, 384..494, 389..481, 486..545, 486..545, 535..603, 544..600		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o2.ts	Method	TBLASTX:Soybean
Start	663	End	988
GI	none	Score	165
Exons	663..806, 666..986, 689..988, 712..984, 843..986		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o2.tm	Method	TBLASTX:Maize
Start	675	End	1023
GI	none	Score	247
Exons	675..1022, 701..910, 708..1022, 892..1023		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+

Start	219	End	4028
Name	OJ000208_14.0419.C56.o1.np	Method	AAT/NAP
Start	727	End	2246
GI	7511925	Score	87
Exons	727..927, 2222..2246		
GI Descrip.	hypothetical protein EG:80H7.5 - fruit fly (Drosophila melanogaster) gi|3292902|emb|CAA19842.1| (AL031027) /prediction=(method:""genefinder"", version:""084"", score:""67.72""); /prediction=(method:""genscan"", version:""1.0""); /match=(desc:""PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN)"", sp> gi|7290174|gb|AAF45637.1|		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o1.ts	Method	TBLASTX:Soybean
Start	989	End	2792
GI	none	Score	115
Exons	989..1075, 990..1094, 2305..2505, 2307..2504, 2325..2507, 2589..2792, 2591..2692		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o1.tw	Method	TBLASTX:Wheat
Start	999	End	2627
GI	none	Score	84
Exons	999..1094, 1007..1063, 2301..2498, 2305..2508, 2588..2623, 2589..2627		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o1.tm	Method	TBLASTX:Maize
Start	1026	End	2796
GI	none	Score	96
Exons	1026..1094, 2304..2504, 2305..2505, 2555..2788, 2586..2789, 2589..2789, 2590..2790, 2590..2796		

Seq. No.	49901	Seq. ID	OJ000208_14.0419.C56
Gene No.	106050	Strand	+
Start	219	End	4028
Name	OJ000208_14.0419.C56.o2.np	Method	AAT/NAP
Start	1347	End	4028
GI	6562185	Score	210
Exons	1347..1438, 2313..2505, 2592..2787, 3967..4028		
GI Descrip.	(AL133359) conserved hypothetical SH3 domain protein [Schizosaccharomyces pombe] gi|6692025|emb|CAB65818.1| (AL136236) conserved hypothetical SH3 domain protein [Schizosaccharomyces pombe]		

Seq. No.	49902	Seq. ID	OJ000208_14.0419.C57
Gene No.	106051	Strand	+
Start	1	End	1141
Name	OJ000208_14.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	1141

GI	6562185	Score	90
Exons	1..59, 966..1141		
GI Descrip.	(AL133359) conserved hypothetical SH3 domain protein [Schizosaccharomyces pombe] gi|6692025|emb|CAB65818.1| (AL136236) conserved hypothetical SH3 domain protein [Schizosaccharomyces pombe]		

Seq. No.	49902	Seq. ID	OJ000208_14.0419.C57
Gene No.	106051	Strand	+
Start	1	End	1141
Name	OJ000208_14.0419.C57.o1.gs	Method	GENSCAN
Start	36	End	1070
GI	none	Score	.78
Exons	36..213, 996..1070		

Seq. No.	49903	Seq. ID	OJ000328_18.0419.C4
Gene No.	106052	Strand	-
Start	269	End	727
Name	OJ000328_18.0419.C4.o1.gs	Method	GENSCAN
Start	269	End	727
GI	none	Score	.71
Exons	269..390, 583..727		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	80	End	575
GI	none	Score	209
Exons	80..253, 87..254, 87..281, 248..328, 249..329, 440..469, 444..470, 467..571, 467..571, 468..575		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	82	End	330
GI	none	Score	166
Exons	82..312, 86..322, 86..328, 96..329, 100..330		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o1.gs	Method	GENSCAN
Start	86	End	3132
GI	none	Score	.85
Exons	86..328, 446..642, 1302..1407, 1494..1661, 2875..2913, 3001..3132		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	110	End	538
GI	none	Score	195
Exons	110..328, 117..329, 132..332, 440..538, 444..533, 446..538		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o1.np	Method	AAT/NAP
Start	182	End	4683
GI	7291119	Score	409
Exons	182..328, 446..572, 1286..1407, 1494..1661, 2875..2913, 3001..3087, 4660..4683		
GI Descrip.	(AE003449) CG2974 gene product [Drosophila melanogaster]		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o1.gp	Method	AAT/GAP
Start	1321	End	3224
GI	29683_1.R1084	Score	932
Exons	1321..1407, 1494..1661, 2875..2913, 3001..3224		
GI Descrip.	'3183274/sp|O13725|YDO5_SCHPO 1.0e-22 HYPOTHETICAL 26.5 KD PROTEIN C15A10.05C IN CHROMOSOME I >gi_2239182_emb_CAB10102.1_ (Z97208) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	49904	Seq. ID	OJ000328_18.0419.C7
Gene No.	106053	Strand	-
Start	86	End	4683
Name	OJ000328_18.0419.C7.o2.tc	Method	TBLASTX:Cress
Start	1495	End	3084
GI	none	Score	132
Exons	1495..1662, 1497..1667, 3001..3084		

Seq. No.	49905	Seq. ID	OJ000328_18.0419.C8
Gene No.	106054	Strand	+
Start	1	End	639
Name	OJ000328_18.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	639
GI	7339707	Score	61
Exons	1..316, 488..639		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	49905	Seq. ID	OJ000328_18.0419.C8
Gene No.	106055	Strand	-
Start	1933	End	2248
Name	OJ000328_18.0419.C8.o2.np	Method	AAT/NAP
Start	1933	End	2248
GI	7430729	Score	88
Exons	1933..2020, 2130..2248		
GI Descrip.	cytochrome P450 homolog T9I4.17 - Arabidopsis thaliana gi|3461849|gb|AAC33235.1| (AC005315) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	49906	Seq. ID	OJ000328_18.0419.C9
Gene No.	106056	Strand	-
Start	1	End	1093
Name	OJ000328_18.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	1093
GI	3831452	Score	102
Exons	1..53, 421..528, 1022..1093		
GI Descrip.	(AC005700) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	49906	Seq. ID	OJ000328_18.0419.C9
Gene No.	106056	Strand	-
Start	1	End	1093
Name	OJ000328_18.0419.C9.o1.gs	Method	GENSCAN
Start	422	End	538
GI	none	Score	.6
Exons	422..538		

Seq. No.	49907	Seq. ID	OJ000328_18.0419.C10
Gene No.	106057	Strand	+
Start	132	End	3840
Name	OJ000328_18.0419.C10.o1.gs	Method	GENSCAN
Start	132	End	3840
GI	none	Score	.83
Exons	132..607, 717..890, 987..1097, 1182..1254, 1308..1406, 1486..1667, 2629..2809, 2970..3125, 3682..3840		

Seq. No.	49907	Seq. ID	OJ000328_18.0419.C10
Gene No.	106058	Strand	+
Start	5260	End	6957
Name	OJ000328_18.0419.C10.o2.gs	Method	GENSCAN
Start	5260	End	6957
GI	none	Score	.43
Exons	5260..5491, 5738..5772, 5963..6160, 6427..6509, 6827..6957		

Seq. No.	49907	Seq. ID	OJ000328_18.0419.C10
Gene No.	106058	Strand	+
Start	5260	End	6957
Name	OJ000328_18.0419.C10.o3.np	Method	AAT/NAP
Start	5428	End	6094
GI	4680186	Score	333
Exons	5428..5497, 5738..5877, 5963..6094		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49907	Seq. ID	OJ000328_18.0419.C10
Gene No.	106059	Strand	-
Start	1988	End	4791
Name	OJ000328_18.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	534	End	1056
GI	none	Score	60
Exons	534..614, 703..885, 753..878, 985..1056		

Seq. No.	49907	Seq. ID	OJ000328_18.0419.C10
Gene No.	106059	Strand	-
Start	1988	End	4791
Name	OJ000328_18.0419.C10.o2.np	Method	AAT/NAP
Start	1988	End	4791
GI	7106528	Score	95
Exons	1988..2105, 4740..4791		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49907	Seq. ID	OJ000328_18.0419.C10
Gene No.	106059	Strand	-
Start	1988	End	4791
Name	OJ000328_18.0419.C10.o1.gp	Method	AAT/GAP

Start	2011	End	2155
GI	21474_1.R1084	Score	246
Exons	2011..2155		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106060	Strand	+
Start	1	End	1551
Name	OJ000328_18.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	1530
GI	7340884	Score	511
Exons	1..270, 360..500, 576..1530		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106060	Strand	+
Start	1	End	1551
Name	OJ000328_18.0419.C11.o1.gs	Method	GENSCAN
Start	82	End	1551
GI	none	Score	.53
Exons	82..274, 364..671, 909..1091, 1432..1551		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106061	Strand	-
Start	1	End	2761
Name	OJ000328_18.0419.C11.o2.np	Method	AAT/NAP
Start	1	End	2599
GI	479357	Score	285
Exons	1..33, 1632..2300, 2390..2599		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106061	Strand	-
Start	1	End	2761
Name	OJ000328_18.0419.C11.o3.tm	Method	TBLASTX:Maize
Start	456	End	1010
GI	none	Score	110
Exons	456..584, 807..1010, 821..1009		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106061	Strand	-
Start	1	End	2761
Name	OJ000328_18.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	1183	End	1458
GI	none	Score	186
Exons	1183..1458, 1290..1427		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106061	Strand	-
Start	1	End	2761
Name	OJ000328_18.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	1690	End	1972
GI	none	Score	134
Exons	1690..1878, 1704..1877, 1887..1958, 1898..1972		

Seq. No.	49908	Seq. ID	OJ000328_18.0419.C11
Gene No.	106061	Strand	-
Start	1	End	2761
Name	OJ000328_18.0419.C11.o2.gs	Method	GENSCAN
Start	1904	End	2761
GI	none	Score	.69
Exons	1904..2042, 2107..2222, 2471..2761		

Seq. No.	49909	Seq. ID	OJ000328_18.0419.C12
Gene No.	106062	Strand	-
Start	158	End	204
Name	OJ000328_18.0419.C12.o1.gs	Method	GENSCAN
Start	158	End	204
GI	none	Score	.54
Exons	158..204		

Seq. No.	49910	Seq. ID	OJ000328_18.0419.C13
Gene No.	106063	Strand	+
Start	566	End	1059
Name	OJ000328_18.0419.C13.o1.gs	Method	GENSCAN
Start	566	End	1059
GI	none	Score	.54
Exons	566..769, 953..1059		

Seq. No.	49910	Seq. ID	OJ000328_18.0419.C13
Gene No.	106064	Strand	+
Start	2043	End	5146
Name	OJ000328_18.0419.C13.o2.gs	Method	GENSCAN
Start	2043	End	5146
GI	none	Score	.73
Exons	2043..2147, 2956..3095, 4951..5146		

Seq. No.	49910	Seq. ID	OJ000328_18.0419.C13
Gene No.	106065	Strand	-
Start	6709	End	7130
Name	OJ000328_18.0419.C13.o3.gs	Method	GENSCAN
Start	6709	End	7130
GI	none	Score	.54
Exons	6709..7130		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106066	Strand	+
Start	1	End	4354
Name	OJ000328_18.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	2805
GI	6063554	Score	345
Exons	1..22, 1053..1313, 1431..1706, 2631..2805		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106066	Strand	+
Start	1	End	4354
Name	OJ000328_18.0419.C14.o2.np	Method	AAT/NAP
Start	1	End	4354

GI	6069646	Score	308
Exons	1..24, 3429..4354		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106066	Strand	+
Start	1	End	4354
Name	OJ000328_18.0419.C14.o1.gp	Method	AAT/GAP
Start	1088	End	1398
GI	2312818	Score	538
Exons	1088..1398		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106066	Strand	+
Start	1	End	4354
Name	OJ000328_18.0419.C14.o2.gp	Method	AAT/GAP
Start	1331	End	1671
GI	101153_1.R1084	Score	548
Exons	1331..1671		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106066	Strand	+
Start	1	End	4354
Name	OJ000328_18.0419.C14.o3.gp	Method	AAT/GAP
Start	2189	End	2563
GI	2427387	Score	658
Exons	2189..2563		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106067	Strand	-
Start	23	End	2966
Name	OJ000328_18.0419.C14.o1.gs	Method	GENSCAN
Start	23	End	2966
GI	none	Score	.41
Exons	23..258, 301..417, 1452..1562, 1568..1762, 2535..2660, 2862..2966		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106068	Strand	-
Start	3173	End	3481
Name	OJ000328_18.0419.C14.o4.gp	Method	AAT/GAP
Start	3173	End	3481
GI	61605_3.R1084	Score	440
Exons	3173..3481		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	49911	Seq. ID	OJ000328_18.0419.C14
Gene No.	106069	Strand	
Start	3808	End	4232
Name	OJ000328_18.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	3808	End	4232
GI	none	Score	99
Exons	3808..3897, 3903..4016, 3907..4041, 3907..4038, 4044..4151, 4173..4232		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106070	Strand	
Start	474	End	824
Name	OJ000328_18.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	474	End	824
GI	none	Score	280
Exons	474..773, 484..789, 783..824		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106071	Strand	
Start	1101	End	2311
Name	OJ000328_18.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	1101	End	2058
GI	none	Score	137
Exons	1101..1250, 1133..1264, 1240..1479, 1249..1470, 1454..1609, 1471..1518, 1602..1727, 1611..1775, 1768..2058, 1785..2057		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106071	Strand	
Start	1101	End	2311
Name	OJ000328_18.0419.C15.o3.tw	Method	TBLASTX:Wheat
Start	1155	End	1428
GI	none	Score	120
Exons	1155..1253, 1187..1249, 1240..1428, 1269..1385		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106071	Strand	
Start	1101	End	2311
Name	OJ000328_18.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	1665	End	2016
GI	none	Score	57
Exons	1665..1721, 1803..1997, 1804..2016		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106071	Strand	
Start	1101	End	2311
Name	OJ000328_18.0419.C15.o4.tw	Method	TBLASTX:Wheat
Start	1813	End	2311
GI	none	Score	172
Exons	1813..2061, 2033..2146, 2140..2178, 2195..2311		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106072	Strand	
Start	2212	End	2772
Name	OJ000328_18.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	2212	End	2668
GI	none	Score	69
Exons	2212..2316, 2212..2397, 2216..2584, 2504..2581, 2594..2668		

Seq. No.	49912	Seq. ID	OJ000328_18.0419.C15
Gene No.	106072	Strand	
Start	2212	End	2772
Name	OJ000328_18.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	2405	End	2772
GI	none	Score	205
Exons	2405..2671, 2408..2656, 2665..2772		

Seq. No.	49913	Seq. ID	OJ000328_18.0419.C16
Gene No.	106073	Strand	+
Start	370	End	1120
Name	OJ000328_18.0419.C16.o1.gs	Method	GENSCAN
Start	370	End	1120
GI	none	Score	.92
Exons	370..539, 975..1120		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106074	Strand	+
Start	1	End	141
Name	OJ000328_18.0419.C17.o1.gp	Method	AAT/GAP
Start	1	End	141
GI	83032_1.R1084	Score	190
Exons	1..141		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106075	Strand	+
Start	528	End	2881
Name	OJ000328_18.0419.C17.o1.np	Method	AAT/NAP
Start	528	End	2539
GI	6691467	Score	179
Exons	528..547, 2108..2539		
GI Descrip.	(AB030708) AHMP1 [Triticum aestivum]		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106075	Strand	+
Start	528	End	2881
Name	OJ000328_18.0419.C17.o1.gs	Method	GENSCAN
Start	2294	End	2881
GI	none	Score	.55
Exons	2294..2544, 2653..2881		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106076	Strand	+
Start	7314	End	7613
Name	OJ000328_18.0419.C17.o2.np	Method	AAT/NAP
Start	7314	End	7613
GI	2583128	Score	325
Exons	7314..7613		
GI Descrip.	(AC002387) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106077	Strand	-
Start	5626	End	6732

Name	OJ000328_18.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	2336	End	2503
GI	none	Score	82
Exons	2336..2413, 2393..2503		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106077	Strand	-
Start	5626	End	6732
Name	OJ000328_18.0419.C17.o2.gs	Method	GENSCAN
Start	5626	End	6732
GI	none	Score	.4
Exons	5626..5718, 6128..6388, 6421..6732		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106078	Strand	
Start	7263	End	7613
Name	OJ000328_18.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	7263	End	7613
GI	none	Score	221
Exons	7263..7610, 7264..7512, 7282..7611, 7292..7606, 7293..7613		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106078	Strand	
Start	7263	End	7613
Name	OJ000328_18.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	7314	End	7613
GI	none	Score	350
Exons	7314..7613, 7364..7603		

Seq. No.	49914	Seq. ID	OJ000328_18.0419.C17
Gene No.	106078	Strand	
Start	7263	End	7613
Name	OJ000328_18.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	7353	End	7541
GI	none	Score	240
Exons	7353..7541, 7361..7525		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106079	Strand	+
Start	1	End	848
Name	OJ000328_18.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	778
GI	2583128	Score	898
Exons	1..778		
GI Descrip.	(AC002387) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106079	Strand	+
Start	1	End	848
Name	OJ000328_18.0419.C18.o1.gs	Method	GENSCAN
Start	137	End	848
GI	none	Score	.63
Exons	137..703, 762..848		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894

Name	OJ000328_18.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	780
GI	none	Score	1146
Exons	2..778, 46..780, 196..780		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o3.ts	Method	TBLASTX:Soybean
Start	44	End	235
GI	none	Score	196
Exons	44..235, 46..234		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	236	End	758
GI	none	Score	54
Exons	236..268, 271..594, 275..595, 599..742, 600..758	281..616, 590..754, 592..738,	

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	326	End	642
GI	none	Score	281
Exons	326..640, 334..621, 349..642		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	492	End	813
GI	none	Score	436
Exons	492..806, 493..813, 494..778		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o1.gp	Method	AAT/GAP
Start	1978	End	2582
GI	6409_1.R1084	Score	547
Exons	1978..2179, 2298..2392, 2547..2582		
GI Descrip.	'1707018 2.0e-45 (U78721) CutA isolog [Arabidopsis thaliana]'		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o2.gs	Method	GENSCAN
Start	2095	End	2578
GI	none	Score	.62
Exons	2095..2179, 2298..2392, 2547..2578		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-

Start	2095	End	2894
Name	OJ000328_18.0419.C18.o2.np	Method	AAT/NAP
Start	2101	End	2894
GI	1707018	Score	224
Exons	2101..2179, 2298..2392, 2547..2595, 2870..2894		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		

Seq. No.	49915	Seq. ID	OJ000328_18.0419.C18
Gene No.	106080	Strand	-
Start	2095	End	2894
Name	OJ000328_18.0419.C18.o2.ts	Method	TBLASTX:Soybean
Start	2101	End	2582
GI	none	Score	78
Exons	2101..2178, 2123..2179, 2297..2395, 2298..2387, 2544..2582		

Seq. No.	49916	Seq. ID	OJ000328_18.0419.C19
Gene No.	106081	Strand	-
Start	385	End	858
Name	OJ000328_18.0419.C19.o1.gs	Method	GENSCAN
Start	385	End	858
GI	none	Score	.65
Exons	385..858		

Seq. No.	49917	Seq. ID	OJ000328_18.0419.C20
Gene No.	106082	Strand	-
Start	235	End	815
Name	OJ000328_18.0419.C20.o1.np	Method	AAT/NAP
Start	235	End	758
GI	1707018	Score	61
Exons	235..315, 562..758		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		

Seq. No.	49917	Seq. ID	OJ000328_18.0419.C20
Gene No.	106082	Strand	-
Start	235	End	815
Name	OJ000328_18.0419.C20.o1.gs	Method	GENSCAN
Start	238	End	815
GI	none	Score	.91
Exons	238..338, 658..815		

Seq. No.	49918	Seq. ID	OJ000328_18.0419.C21
Gene No.	106083	Strand	+
Start	241	End	6029
Name	OJ000328_18.0419.C21.o1.np	Method	AAT/NAP
Start	241	End	6029
GI	7228442	Score	2878
Exons	241..675, 3830..6029		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	49918	Seq. ID	OJ000328_18.0419.C21
Gene No.	106083	Strand	+
Start	241	End	6029
Name	OJ000328_18.0419.C21.o1.gs	Method	GENSCAN

Start	598	End	1840
GI	none	Score	.46
Exons	598..651, 1637..1840		

Seq. No.	49918	Seq. ID	OJ000328_18.0419.C21
Gene No.	106084	Strand	-
Start	1391	End	1770
Name	OJ000328_18.0419.C21.o1.gp	Method	AAT/GAP
Start	1391	End	1770
GI	uC-osflcyp033a04b1	Score	639
Exons	1391..1770		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	49918	Seq. ID	OJ000328_18.0419.C21
Gene No.	106085	Strand	
Start	4420	End	5091
Name	OJ000328_18.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	4420	End	5016
GI	none	Score	359
Exons	4420..4887, 4425..4898, 4945..5016		

Seq. No.	49918	Seq. ID	OJ000328_18.0419.C21
Gene No.	106085	Strand	
Start	4420	End	5091
Name	OJ000328_18.0419.C21.o1.tw	Method	TBLASTX:Wheat
Start	4714	End	5091
GI	none	Score	190
Exons	4714..4863, 4717..4893, 4728..4868, 4917..4985, 4918..5091, 4940..5080		

Seq. No.	49919	Seq. ID	OJ000328_18.0419.C22
Gene No.	106086	Strand	+
Start	915	End	1701
Name	OJ000328_18.0419.C22.o1.gp	Method	AAT/GAP
Start	915	End	1289
GI	3061031	Score	693
Exons	915..1289		

Seq. No.	49919	Seq. ID	OJ000328_18.0419.C22
Gene No.	106086	Strand	+
Start	915	End	1701
Name	OJ000328_18.0419.C22.o1.gs	Method	GENSCAN
Start	1074	End	1673
GI	none	Score	.81
Exons	1074..1673		

Seq. No.	49919	Seq. ID	OJ000328_18.0419.C22
Gene No.	106086	Strand	+
Start	915	End	1701
Name	OJ000328_18.0419.C22.o1.np	Method	AAT/NAP
Start	1217	End	1701
GI	5921907	Score	91
Exons	1217..1271, 1314..1701		
GI Descrip.	CYTOCHROME P450 26 (RETINOIC ACID-METABOLIZING CYTOCHROME) (P450RAI) (RETINOIC ACID 4-HYDROXYLASE) gi|1680716|gb|AAC60045.1| (U68234) all-trans-retinoic acid		

4-hydroxylase [Danio rerio]

Seq. No.	49920	Seq. ID	OJ000328_18.0419.C23
Gene No.	106087	Strand	+
Start	1	End	867
Name	OJ000328_18.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	867
GI	6069670	Score	96
Exons	1..224, 768..867		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		

Seq. No.	49920	Seq. ID	OJ000328_18.0419.C23
Gene No.	106087	Strand	+
Start	1	End	867
Name	OJ000328_18.0419.C23.o1.gs	Method	GENSCAN
Start	9	End	224
GI	none	Score	.98
Exons	9..224		

Seq. No.	49921	Seq. ID	OJ000328_18.0419.C24
Gene No.	106088	Strand	+
Start	1021	End	1126
Name	OJ000328_18.0419.C24.o1.gs	Method	GENSCAN
Start	1021	End	1126
GI	none	Score	.49
Exons	1021..1126		

Seq. No.	49922	Seq. ID	OJ000328_18.0419.C26
Gene No.	106089	Strand	+
Start	1	End	730
Name	OJ000328_18.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	730
GI	4755191	Score	268
Exons	1..730		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	49922	Seq. ID	OJ000328_18.0419.C26
Gene No.	106089	Strand	+
Start	1	End	730
Name	OJ000328_18.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	19	End	712
GI	none	Score	169
Exons	19..171, 27..164, 258..410, 266..409, 422..712, 423..599, 440..631, 442..636		

Seq. No.	49922	Seq. ID	OJ000328_18.0419.C26
Gene No.	106089	Strand	+
Start	1	End	730
Name	OJ000328_18.0419.C26.o1.tw	Method	TBLASTX:Wheat
Start	79	End	415
GI	none	Score	95
Exons	79..171, 264..401, 272..415		

Seq. No.	49922	Seq. ID	OJ000328_18.0419.C26

Gene No.	106089	Strand	+
Start	1	End	730
Name	OJ000328_18.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	341	End	724
GI	none	Score	56
Exons	341..430, 342..416, 410..694,	472..693,	683..724

Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.gp	Method	AAT/GAP
Start	1597	End	1916
GI	41004_1.R1084	Score	611
Exons	1597..1916		
GI Descrip.	'3024505/sp|Q40522|R11D_TOBAC 3.0e-88 RAS-RELATED PROTEIN RAB11D >gi_623580 (L29270) putative [Nicotiana tabacum]'		

Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.np	Method	AAT/NAP
Start	1685	End	3280
GI	3024505	Score	272
Exons	1685..1918, 3256..3280		
GI Descrip.	RAS-RELATED PROTEIN RAB11D gi|7438411|pir||T03622 GTP-binding protein Rab11d - common tobacco gi|623580|gb|AAA74114.1| (L29270) putative [Nicotiana tabacum]		

Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.tw	Method	TBLASTX:Wheat
Start	1703	End	1915
GI	none	Score	327
Exons	1703..1915, 1704..1907, 1889..1915		

Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.gs	Method	GENSCAN
Start	1704	End	2096
GI	none	Score	.58
Exons	1704..2096		

Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	1712	End	1915
GI	none	Score	308
Exons	1712..1915, 1713..1907, 1889..1915		

Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.tc	Method	TBLASTX:Cress
Start	1716	End	1912

GI	none	Score	300
Exons	1716..1907, 1718..1912		
Seq. No.	49923	Seq. ID	OJ000328_18.0419.C28
Gene No.	106090	Strand	+
Start	1597	End	3280
Name	OJ000328_18.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	1716	End	1912
GI	none	Score	303
Exons	1716..1907, 1718..1912		
Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106091	Strand	+
Start	1881	End	2319
Name	OJ000328_18.0419.C29.o1.gs	Method	GENSCAN
Start	1881	End	2319
GI	none	Score	.43
Exons	1881..2319		
Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106091	Strand	+
Start	1881	End	2319
Name	OJ000328_18.0419.C29.o1.np	Method	AAT/NAP
Start	1881	End	2316
GI	3024505	Score	530
Exons	1881..2316		
GI Descrip.	RAS-RELATED PROTEIN RAB11D gi|7438411|pir||T03622 GTP-binding protein Rab11d - common tobacco gi|623580|gb|AAA74114.1| (L29270) putative [Nicotiana tabacum]		
Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106092	Strand	-
Start	1879	End	2427
Name	OJ000328_18.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	1872	End	2300
GI	none	Score	469
Exons	1872..1991, 1879..2229, 1882..2058, 2088..2228, 2241..2300, 2242..2292		
Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106092	Strand	-
Start	1879	End	2427
Name	OJ000328_18.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	1878	End	2202
GI	none	Score	383
Exons	1878..1994, 1879..2202, 1879..2067, 1955..2095		
Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106092	Strand	-
Start	1879	End	2427
Name	OJ000328_18.0419.C29.o1.gp	Method	AAT/GAP
Start	1879	End	2427
GI	41004_1.R1084	Score	1005
Exons	1879..2427		
GI Descrip.	'3024505/sp|Q40522|R11D_TOBAC 3.0e-88 RAS-RELATED PROTEIN RAB11D >gi_623580 (L29270) putative [Nicotiana tabacum]'		

Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106092	Strand	-
Start	1879	End	2427
Name	OJ000328_18.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	1879	End	2300
GI	none	Score	468
Exons	1879..2217, 1881..2003, 1882..2058, 1886..2095, 2088..2222, 2188..2292, 2193..2300		

Seq. No.	49924	Seq. ID	OJ000328_18.0419.C29
Gene No.	106092	Strand	-
Start	1879	End	2427
Name	OJ000328_18.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	1912	End	2368
GI	none	Score	580
Exons	1912..2292, 1914..2003, 1918..2070, 1919..2095, 1920..2327, 2088..2318, 2234..2368		

Seq. No.	49925	Seq. ID	OJ000328_18.0419.C30
Gene No.	106093	Strand	+
Start	397	End	4008
Name	OJ000328_18.0419.C30.o1.gs	Method	GENSCAN
Start	397	End	4008
GI	none	Score	.4
Exons	397..514, 3887..4008		

Seq. No.	49926	Seq. ID	OJ000328_18.0419.C31
Gene No.	106094	Strand	-
Start	1	End	479
Name	OJ000328_18.0419.C31.o1.gp	Method	AAT/GAP
Start	1	End	479
GI	569216	Score	483
Exons	1..94, 287..479		

Seq. No.	49926	Seq. ID	OJ000328_18.0419.C31
Gene No.	106094	Strand	-
Start	1	End	479
Name	OJ000328_18.0419.C31.o1.gs	Method	GENSCAN
Start	30	End	350
GI	none	Score	.79
Exons	30..94, 287..350		

Seq. No.	49926	Seq. ID	OJ000328_18.0419.C31
Gene No.	106095	Strand	-
Start	2800	End	2939
Name	OJ000328_18.0419.C31.o2.gs	Method	GENSCAN
Start	2800	End	2939
GI	none	Score	.8
Exons	2800..2939		

Seq. No.	49927	Seq. ID	OJ000328_18.0419.C32
Gene No.	106096	Strand	-
Start	1119	End	1294
Name	OJ000328_18.0419.C32.o1.gs	Method	GENSCAN
Start	1119	End	1294
GI	none	Score	.75
Exons	1119..1294		

Seq. No.	49928	Seq. ID	OJ000328_18.0419.C33
Gene No.	106097	Strand	+
Start	1442	End	2338
Name	OJ000328_18.0419.C33.o1.np	Method	AAT/NAP
Start	1442	End	2338
GI	5777617	Score	83
Exons	1442..1633, 2232..2338		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	49928	Seq. ID	OJ000328_18.0419.C33
Gene No.	106098	Strand	+
Start	4532	End	5130
Name	OJ000328_18.0419.C33.o3.np	Method	AAT/NAP
Start	4532	End	5130
GI	4680179	Score	550
Exons	4532..5130		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	49928	Seq. ID	OJ000328_18.0419.C33
Gene No.	106099	Strand	-
Start	2466	End	5628
Name	OJ000328_18.0419.C33.o1.gs	Method	GENSCAN
Start	2466	End	5628
GI	none	Score	.49
Exons	2466..2742, 3104..3287, 3819..3954, 4009..4141, 4509..4592, 4895..5047, 5537..5628		

Seq. No.	49928	Seq. ID	OJ000328_18.0419.C33
Gene No.	106099	Strand	-
Start	2466	End	5628
Name	OJ000328_18.0419.C33.o2.np	Method	AAT/NAP
Start	3688	End	4195
GI	5777617	Score	96
Exons	3688..3792, 4000..4195		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	49928	Seq. ID	OJ000328_18.0419.C33
Gene No.	106099	Strand	-
Start	2466	End	5628
Name	OJ000328_18.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	4684	End	5085
GI	none	Score	143
Exons	4684..4821, 4692..4832, 4822..4896, 4972..5085		

Seq. No.	49929	Seq. ID	OJ000328_18.0419.C34
Gene No.	106100	Strand	+
Start	1628	End	1862
Name	OJ000328_18.0419.C34.o1.gs	Method	GENSCAN
Start	1628	End	1862
GI	none	Score	.76
Exons	1628..1668, 1691..1862		

Seq. No.	49929	Seq. ID	OJ000328_18.0419.C34
Gene No.	106101	Strand	+
Start	3236	End	3655
Name	OJ000328_18.0419.C34.o2.gs	Method	GENSCAN

Start	3236	End	3655
GI	none	Score	.78
Exons	3236..3655		

Seq. No.	49929	Seq. ID	OJ000328_18.0419.C34
Gene No.	106102	Strand	-
Start	584	End	5364
Name	OJ000328_18.0419.C34.o1.np	Method	AAT/NAP
Start	584	End	4634
GI	4680183	Score	74
Exons	584..712, 4565..4634		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	49929	Seq. ID	OJ000328_18.0419.C34
Gene No.	106102	Strand	-
Start	584	End	5364
Name	OJ000328_18.0419.C34.o3.gs	Method	GENSCAN
Start	4047	End	5364
GI	none	Score	.89
Exons	4047..4139, 4997..5205, 5316..5364		

Seq. No.	49930	Seq. ID	OJ000328_18.0419.C35
Gene No.	106103	Strand	-
Start	74	End	1100
Name	OJ000328_18.0419.C35.o1.gs	Method	GENSCAN
Start	74	End	1100
GI	none	Score	.53
Exons	74..210, 268..377, 403..474, 933..1100		

Seq. No.	49931	Seq. ID	OJ000328_18.0419.C36
Gene No.	106104	Strand	+
Start	2699	End	2755
Name	OJ000328_18.0419.C36.o1.gp	Method	AAT/GAP
Start	2699	End	2755
GI	16490_1.R1084	Score	81
Exons	2699..2755		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	49931	Seq. ID	OJ000328_18.0419.C36
Gene No.	106105	Strand	-
Start	300	End	1734
Name	OJ000328_18.0419.C36.o1.gs	Method	GENSCAN
Start	300	End	1734
GI	none	Score	.91
Exons	300..413, 681..1127, 1309..1734		

Seq. No.	49931	Seq. ID	OJ000328_18.0419.C36
Gene No.	106105	Strand	-
Start	300	End	1734
Name	OJ000328_18.0419.C36.o1.np	Method	AAT/NAP
Start	321	End	1353
GI	3641870	Score	369
Exons	321..413, 681..896, 954..1127, 1309..1353		
GI Descrip.	(AJ011013) hypothetical protein [Cicer arietinum]		

Seq. No.	49931	Seq. ID	OJ000328_18.0419.C36

Gene No.	106106	Strand	-
Start	2890	End	4079
Name	OJ000328_18.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	1065	End	1431
GI	none	Score	112
Exons	1065..1127, 1307..1420, 1309..1431, 1310..1426		

Seq. No.	49931	Seq. ID	OJ000328_18.0419.C36
Gene No.	106106	Strand	-
Start	2890	End	4079
Name	OJ000328_18.0419.C36.o2.gs	Method	GENSCAN
Start	2890	End	4079
GI	none	Score	.7
Exons	2890..2929, 4012..4079		

Seq. No.	49931	Seq. ID	OJ000328_18.0419.C36
Gene No.	106106	Strand	-
Start	2890	End	4079
Name	OJ000328_18.0419.C36.o2.np	Method	AAT/NAP
Start	3067	End	3437
GI	2239134	Score	162
Exons	3067..3437		
GI Descrip.	(Y13729) NDH-A protein [Hordeum vulgare]		

Seq. No.	49932	Seq. ID	OJ000328_18.0419.C38
Gene No.	106107	Strand	+
Start	278	End	1294
Name	OJ000328_18.0419.C38.o1.gs	Method	GENSCAN
Start	278	End	1294
GI	none	Score	.77
Exons	278..319, 511..649, 976..1057, 1081..1294		

Seq. No.	49932	Seq. ID	OJ000328_18.0419.C38
Gene No.	106108	Strand	+
Start	7670	End	8751
Name	OJ000328_18.0419.C38.o3.gs	Method	GENSCAN
Start	7670	End	8751
GI	none	Score	.45
Exons	7670..7672, 8255..8479, 8532..8586, 8667..8751		

Seq. No.	49933	Seq. ID	OJ000328_18.0419.C40
Gene No.	106109	Strand	+
Start	914	End	3509
Name	OJ000328_18.0419.C40.o1.np	Method	AAT/NAP
Start	914	End	2616
GI	6721512	Score	76
Exons	914..1000, 1027..1167, 1207..1279, 2510..2616		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	49933	Seq. ID	OJ000328_18.0419.C40
Gene No.	106109	Strand	+
Start	914	End	3509
Name	OJ000328_18.0419.C40.o1.gs	Method	GENSCAN
Start	2291	End	3412
GI	none	Score	.65
Exons	2291..2926, 3018..3167, 3272..3412		

Seq. No.	49933	Seq. ID	OJ000328_18.0419.C40
Gene No.	106109	Strand	+
Start	914	End	3509
Name	OJ000328_18.0419.C40.o3.np	Method	AAT/NAP
Start	2294	End	3509
GI	6069670	Score	276
Exons	2294..2926, 3018..3167, 3272..3509		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		

Seq. No.	49934	Seq. ID	OJ000328_18.0419.C41
Gene No.	106110	Strand	-
Start	1042	End	1678
Name	OJ000328_18.0419.C41.o1.gs	Method	GENSCAN
Start	1042	End	1678
GI	none	Score	.71
Exons	1042..1098, 1138..1260, 1385..1429, 1619..1678		

Seq. No.	49935	Seq. ID	OJ000328_18.0419.C42
Gene No.	106111	Strand	-
Start	575	End	643
Name	OJ000328_18.0419.C42.o1.gp	Method	AAT/GAP
Start	575	End	643
GI	LIB3477-003-P1-K1-E9	Score	65
Exons	575..643		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106112	Strand	+
Start	1	End	5938
Name	OJ000328_19.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	5938
GI	7228438	Score	4061
Exons	1..1135, 2594..2692, 2777..3187, 3277..3575, 3652..3910, 4003..4185, 4343..4413, 5920..5938		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106112	Strand	+
Start	1	End	5938
Name	OJ000328_19.0419.C1.o1.gs	Method	GENSCAN
Start	14	End	5286
GI	none	Score	.56
Exons	14..1715, 2100..2250, 2356..2692, 2777..3187, 3277..3575, 3652..3910, 4003..4185, 4371..4408, 4499..4630, 4694..4741, 4746..4948, 5099..5286		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106112	Strand	+
Start	1	End	5938
Name	OJ000328_19.0419.C1.o1.gp	Method	AAT/GAP
Start	144	End	575

GI	5701669	Score	849
Exons	144..575		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106112	Strand	+
Start	1	End	5938
Name	OJ000328_19.0419.C1.o2.gp	Method	AAT/GAP
Start	3403	End	3902
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	3403..3575, 3652..3902		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106112	Strand	+
Start	1	End	5938
Name	OJ000328_19.0419.C1.o3.gp	Method	AAT/GAP
Start	5084	End	5537
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	5084..5537		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106113	Strand	-
Start	4689	End	5934
Name	OJ000328_19.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	101	End	697
GI	none	Score	90
Exons	101..229, 109..207, 263..562, 280..501, 626..697		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106113	Strand	-
Start	4689	End	5934
Name	OJ000328_19.0419.C1.o1.tw	Method	TBLASTX:Wheat
Start	395	End	775
GI	none	Score	208
Exons	395..589, 404..601, 595..714, 599..775, 599..745		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106113	Strand	-
Start	4689	End	5934
Name	OJ000328_19.0419.C1.o2.np	Method	AAT/NAP
Start	4689	End	5934
GI	6721543	Score	119
Exons	4689..4747, 5804..5934		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	49936	Seq. ID	OJ000328_19.0419.C1
Gene No.	106113	Strand	-
Start	4689	End	5934
Name	OJ000328_19.0419.C1.o4.gp	Method	AAT/GAP
Start	5480	End	5920

GI	7406_1.R1084	Score	583
Exons	5480..5554, 5589..5920		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	49937	Seq. ID	OJ000328_19.0419.C2
Gene No.	106114	Strand	+
Start	76	End	3061
Name	OJ000328_19.0419.C2.o1.gs	Method	GENSCAN
Start	76	End	2989
GI	none	Score	.79
Exons	76..365, 1945..2002, 2203..2316, 2573..2656, 2765..2989		

Seq. No.	49937	Seq. ID	OJ000328_19.0419.C2
Gene No.	106114	Strand	+
Start	76	End	3061
Name	OJ000328_19.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	149	End	2986
GI	none	Score	138
Exons	149..202, 278..364, 283..363, 285..371, 285..365, 894..974, 904..1011, 908..1012, 908..1015, 1251..1325, 1251..1325, 1256..1345, 1937..1999, 1942..2004, 1943..2005, 1944..2024, 2185..2319, 2190..2318, 2203..2319, 2208..2339, 2210..2353, 2571..2657, 2571..2651, 2573..2671, 2641..2670, 2763..2846, 2764..2982, 2765..2983, 2765..2986, 2767..2985		

Seq. No.	49937	Seq. ID	OJ000328_19.0419.C2
Gene No.	106114	Strand	+
Start	76	End	3061
Name	OJ000328_19.0419.C2.o1.np	Method	AAT/NAP
Start	208	End	2983
GI	927428	Score	765
Exons	208..365, 909..1012, 1257..1324, 1945..2002, 2203..2316, 2573..2656, 2765..2983		
GI Descrip.	(X86733) fis1 [Linum usitatissimum]		

Seq. No.	49937	Seq. ID	OJ000328_19.0419.C2
Gene No.	106114	Strand	+
Start	76	End	3061
Name	OJ000328_19.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	2193	End	2944
GI	none	Score	79
Exons	2193..2261, 2200..2262, 2268..2318, 2269..2319, 2570..2659, 2571..2654, 2573..2671, 2641..2670, 2764..2943, 2765..2944		

Seq. No.	49937	Seq. ID	OJ000328_19.0419.C2
Gene No.	106114	Strand	+
Start	76	End	3061
Name	OJ000328_19.0419.C2.o1.gp	Method	AAT/GAP
Start	2544	End	3061
GI	20091_1.R1084	Score	554
Exons	2544..2656, 2765..3061		
GI Descrip.	'927428/emb|CAA60412| 2.0e-91 (X86733) fis1 [Linum usitatissimum]'		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106115	Strand	+

Start	1	End	3859
Name	OJ000328_19.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	709
GI	927428	Score	385
Exons	1..202, 408..487, 574..709		
GI Descrip.	(X86733) fis1 [Linum usitatissimum]		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106115	Strand	+
Start	1	End	3859
Name	OJ000328_19.0419.C3.o1.gs	Method	GENSCAN
Start	92	End	3859
GI	none	Score	.76
Exons	92..202, 408..487, 1289..1405, 1559..1595, 1774..1825, 2019..2202, 2255..2379, 2485..2582, 2670..2743, 3004..3859		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106115	Strand	+
Start	1	End	3859
Name	OJ000328_19.0419.C3.o2.np	Method	AAT/NAP
Start	1955	End	3322
GI	6587812	Score	499
Exons	1955..2111, 2292..2379, 2494..2582, 2670..2743, 2868..2918, 3004..3080, 3201..3322		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106115	Strand	+
Start	1	End	3859
Name	OJ000328_19.0419.C3.o3.np	Method	AAT/NAP
Start	1955	End	3347
GI	6587812	Score	505
Exons	1955..2111, 2292..2379, 2494..2582, 2670..2743, 2868..2918, 3004..3080, 3201..3347		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106116	Strand	-
Start	596	End	831
Name	OJ000328_19.0419.C3.o2.gp	Method	AAT/GAP
Start	596	End	831
GI	none	Score	399
Exons	596..831		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o3.tc	Method	TBLASTX:Cress
Start	89	End	721
GI	none	Score	152
Exons	89..202, 145..198, 369..473, 378..488, 392..490, 395..490, 574..720, 575..721		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-

Start	4200	End	4842
Name	OJ000328_19.0419.C3.o3.tm	Method	TBLASTX:Maize
Start	89	End	730
GI	none	Score	183
Exons	89..202, 89..202, 91..204, 402..476, 405..488, 407..490, 570..704, 574..708, 575..730		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o3.ts	Method	TBLASTX:Soybean
Start	89	End	712
GI	none	Score	135
Exons	89..202, 145..204, 401..490, 405..488, 572..691, 574..681, 574..699, 575..712		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	2294	End	3292
GI	none	Score	98
Exons	2294..2377, 2295..2378, 2483..2578, 2484..2594, 2664..2744, 2676..2759, 2865..2918, 2866..2922, 3001..3075, 3002..3100, 3200..3292, 3206..3292		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	2295	End	3292
GI	none	Score	104
Exons	2295..2378, 2297..2377, 2484..2594, 2664..2744, 2865..2918, 2866..2922, 3001..3075, 3002..3100, 3203..3292, 3206..3292		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	2484	End	3295
GI	none	Score	78
Exons	2484..2594, 2664..2744, 2866..2922, 2871..2918, 3001..3075, 3002..3100, 3203..3295, 3203..3292		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o3.gp	Method	AAT/GAP
Start	4200	End	4842
GI	14485_1.R1084	Score	1213
Exons	4200..4842		
GI Descrip.	'5929932/gb|AAD56653.1|AF178952_1 1.0e-124 (AF178952) voltage-dependent anion channel protein 2 [Zea mays]'		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842

Name	OJ000328_19.0419.C3.o2.ts	Method	TBLASTX:Soybean
Start	4537	End	4841
GI	none	Score	253
Exons	4537..4785, 4542..4787, 4546..4794, 4794..4841		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o2.tc	Method	TBLASTX:Cress
Start	4540	End	4842
GI	none	Score	194
Exons	4540..4818, 4542..4841, 4542..4841, 4543..4842		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	4542	End	4842
GI	none	Score	389
Exons	4542..4841, 4543..4842		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o2.gs	Method	GENSCAN
Start	4542	End	4842
GI	none	Score	.76
Exons	4542..4842		

Seq. No.	49938	Seq. ID	OJ000328_19.0419.C3
Gene No.	106117	Strand	-
Start	4200	End	4842
Name	OJ000328_19.0419.C3.o4.np	Method	AAT/NAP
Start	4545	End	4842
GI	5929932	Score	405
Exons	4545..4842		
GI Descrip.	(AF178952) voltage-dependent anion channel protein 2 [Zea mays]		

Seq. No.	49939	Seq. ID	OJ000328_19.0419.C4
Gene No.	106118	Strand	-
Start	1	End	119
Name	OJ000328_19.0419.C4.o1.gp	Method	AAT/GAP
Start	1	End	119
GI	14485_1.R1084	Score	193
Exons	1..119		
GI Descrip.	'5929932/gb|AAD56653.1|AF178952_1 1.0e-124 (AF178952) voltage-dependent anion channel protein 2 [Zea mays]'		

Seq. No.	49939	Seq. ID	OJ000328_19.0419.C4
Gene No.	106118	Strand	-
Start	1	End	119
Name	OJ000328_19.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	119
GI	5929932	Score	93
Exons	1..119		
GI Descrip.	(AF178952) voltage-dependent anion channel protein 2 [Zea mays]		

Seq. No.	49939	Seq. ID	OJ000328_19.0419.C4
Gene No.	106119	Strand	-
Start	60	End	754
Name	OJ000328_19.0419.C4.o1.gs	Method	GENSCAN
Start	60	End	754
GI	none	Score	.54
Exons	60..119, 649..754		

Seq. No.	49940	Seq. ID	OJ000328_19.0419.C6
Gene No.	106120	Strand	-
Start	465	End	4529
Name	OJ000328_19.0419.C6.o1.gs	Method	GENSCAN
Start	465	End	4529
GI	none	Score	.58
Exons	465..523, 643..677, 1512..1541, 1633..1787, 2848..3018, 3984..4200, 4202..4529		

Seq. No.	49941	Seq. ID	OJ000328_19.0419.C7
Gene No.	106121	Strand	+
Start	34	End	195
Name	OJ000328_19.0419.C7.o1.gs	Method	GENSCAN
Start	34	End	195
GI	none	Score	.98
Exons	34..195		

Seq. No.	49941	Seq. ID	OJ000328_19.0419.C7
Gene No.	106122	Strand	-
Start	898	End	1870
Name	OJ000328_19.0419.C7.o1.gp	Method	AAT/GAP
Start	673	End	1870
GI	none	Score	897
Exons	673..1110, 1823..1870		

Seq. No.	49941	Seq. ID	OJ000328_19.0419.C7
Gene No.	106122	Strand	-
Start	898	End	1870
Name	OJ000328_19.0419.C7.o2.gs	Method	GENSCAN
Start	898	End	1110
GI	none	Score	.66
Exons	898..1110		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	2244
GI	7262680	Score	308
Exons	1..166, 308..715, 1037..1135, 1399..1569, 1728..1986, 2171..2244		
GI Descrip.	(AC012188) Strong similarity to an unknown protein from Arabidopsis thaliana gb|AC002521.2 and contains IQ calmodulin-binding PF|00612 motifs. ESTs gb|AA395022, gb|T41893 come from this gene		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o1.tm	Method	TBLASTX:Maize

Start	20	End	2267
GI	none	Score	44
Exons	20..88, 21..53, 24..92, 26..67, 125..571, 152..274, 165..572, 171..572, 341..583, 349..615, 576..707, 584..709, 585..719, 879..932, 880..918, 1365..1568, 1366..1569, 1367..1570, 1713..2012, 1724..1852, 1728..1862, 1865..1942, 1867..1962, 1963..2013, 2148..2186, 2155..2199, 2156..2200, 2166..2267, 2189..2263		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o1.gs	Method	GENSCAN
Start	23	End	2244
GI	none	Score	.65
Exons	23..715, 882..938, 1728..2012, 2155..2244		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	278	End	2245
GI	none	Score	55
Exons	278..412, 282..374, 284..439, 407..499, 569..718, 584..706, 1414..1569, 1415..1570, 1713..1841, 2161..2244, 2183..2245		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o1.gp	Method	AAT/GAP
Start	1305	End	1942
GI	75888_1.R1084	Score	684
Exons	1305..1569, 1728..1942		
GI Descrip.	'5882749/gb|AAD55302.1|AC008263_33 2.0e-21 (AC008263) Contains 2 PF_00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]'		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	1357	End	2245
GI	none	Score	150
Exons	1357..1572, 1397..1570, 1417..1572, 2171..2245, 2176..2244		

Seq. No.	49942	Seq. ID	OJ000328_19.0419.C8
Gene No.	106123	Strand	-
Start	1	End	2284
Name	OJ000328_19.0419.C8.o2.gp	Method	AAT/GAP
Start	1748	End	2284
GI	49767_1.R1084	Score	505
Exons	1748..2012, 2155..2284		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9

Gene No.	106124	Strand	+
Start	1281	End	2832
Name	OJ000328_19.0419.C9.o1.gs	Method	GENSCAN
Start	1281	End	2832
GI	none	Score	.65
Exons	1281..1498, 1901..2058, 2143..2317, 2552..2730, 2732..2832		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9
Gene No.	106125	Strand	+
Start	9018	End	14242
Name	OJ000328_19.0419.C9.o3.gs	Method	GENSCAN
Start	9018	End	14242
GI	none	Score	.57
Exons	9018..9109, 9166..9490, 11121..11219, 11736..11864, 13394..13496, 13998..14242		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9
Gene No.	106125	Strand	+
Start	9018	End	14242
Name	OJ000328_19.0419.C9.o1.gp	Method	AAT/GAP
Start	9312	End	11403
GI	none	Score	846
Exons	9312..9490, 11121..11403		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9
Gene No.	106126	Strand	+
Start	15193	End	17420
Name	OJ000328_19.0419.C9.o2.np	Method	AAT/NAP
Start	15154	End	17420
GI	4204695	Score	140
Exons	15154..15314, 16772..16919, 17180..17284, 17381..17420		
GI Descrip.	(AF117062) putative inositol polyphosphate 5-phosphatase At5P1 [Arabidopsis thaliana]		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9
Gene No.	106126	Strand	+
Start	15193	End	17420
Name	OJ000328_19.0419.C9.o4.gs	Method	GENSCAN
Start	15193	End	17288
GI	none	Score	.49
Exons	15193..15349, 16163..16225, 16832..16919, 17180..17288		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9
Gene No.	106127	Strand	-
Start	3481	End	8476
Name	OJ000328_19.0419.C9.o2.gs	Method	GENSCAN
Start	3481	End	8182
GI	none	Score	.83
Exons	3481..3740, 4137..4332, 4705..4752, 4923..4986, 5636..5733, 5915..5995, 6166..6237, 6310..6384, 6665..6747, 6779..6806, 7530..7718, 7751..8182		

Seq. No.	49943	Seq. ID	OJ000328_19.0419.C9
Gene No.	106127	Strand	-
Start	3481	End	8476
Name	OJ000328_19.0419.C9.o1.np	Method	AAT/NAP
Start	4171	End	8476

GI	7239499	Score	638
Exons	4171..4332, 4705..4752, 4864..4986, 5636..5733, 5915..5995, 6166..6237, 6310..6384, 7330..7795, 7871..8118, 8317..8476		
GI Descrip.	(AC012654) Contains S1 RNA binding domain PF|00575. EST gb|AI997850 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	49944	Seq. ID	OJ000328_19.0419.C10
Gene No.	106128	Strand	-
Start	9	End	1402
Name	OJ000328_19.0419.C10.o1.np	Method	AAT/NAP
Start	9	End	1402
GI	3831463	Score	454
Exons	9..177, 276..361, 484..653, 737..781, 1061..1192, 1279..1402		
GI Descrip.	(AC005700) unknown protein [Arabidopsis thaliana]		

Seq. No.	49944	Seq. ID	OJ000328_19.0419.C10
Gene No.	106128	Strand	-
Start	9	End	1402
Name	OJ000328_19.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	56	End	1201
GI	none	Score	67
Exons	56..178, 70..183, 276..359, 277..384, 476..655, 486..656, 1061..1201, 1063..1200		

Seq. No.	49944	Seq. ID	OJ000328_19.0419.C10
Gene No.	106128	Strand	-
Start	9	End	1402
Name	OJ000328_19.0419.C10.o1.gs	Method	GENSCAN
Start	70	End	1192
GI	none	Score	.86
Exons	70..177, 276..361, 484..653, 737..781, 1061..1192		

Seq. No.	49944	Seq. ID	OJ000328_19.0419.C10
Gene No.	106128	Strand	-
Start	9	End	1402
Name	OJ000328_19.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	303	End	1202
GI	none	Score	84
Exons	303..359, 304..351, 306..359, 451..651, 456..650, 479..655, 482..655, 483..662, 707..778, 713..784, 750..809, 1061..1192, 1063..1200, 1065..1199, 1131..1202		

Seq. No.	49945	Seq. ID	OJ000328_19.0419.C11
Gene No.	106129	Strand	-
Start	1	End	1978
Name	OJ000328_19.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	1625
GI	3831463	Score	521
Exons	1..82, 171..256, 491..659, 759..803, 1069..1200, 1549..1625		
GI Descrip.	(AC005700) unknown protein [Arabidopsis thaliana]		

Seq. No.	49945	Seq. ID	OJ000328_19.0419.C11
Gene No.	106129	Strand	-
Start	1	End	1978
Name	OJ000328_19.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	9	End	1577
GI	none	Score	38

Exons	9..89, 14..82, 171..254, 199..252, 483..632, 484..636, 490..633, 1065..1208, 1069..1209, 1533..1577		
Seq. No.	49945	Seq. ID	OJ000328_19.0419.C11
Gene No.	106129	Strand	-
Start	1	End	1978
Name	OJ000328_19.0419.C11.o1.gs	Method	GENSCAN
Start	235	End	1655
GI	none	Score	.72
Exons	235..256, 759..803, 1069..1200, 1549..1655		
Seq. No.	49945	Seq. ID	OJ000328_19.0419.C11
Gene No.	106129	Strand	-
Start	1	End	1978
Name	OJ000328_19.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	482	End	661
GI	none	Score	222
Exons	482..631, 483..632, 487..630, 487..639, 632..661		
Seq. No.	49945	Seq. ID	OJ000328_19.0419.C11
Gene No.	106129	Strand	-
Start	1	End	1978
Name	OJ000328_19.0419.C11.o1.gp	Method	AAT/GAP
Start	534	End	1978
GI	uC-osroM202013d02b1	Score	917
Exons	534..659, 759..803, 1069..1200, 1549..1707, 1909..1978		
GI Descrip.	'3831463 1.0e-37 (AC005700) unknown protein [Arabidopsis thaliana]'		
Seq. No.	49946	Seq. ID	OJ000328_19.0419.C12
Gene No.	106130	Strand	-
Start	54	End	165
Name	OJ000328_19.0419.C12.o1.gs	Method	GENSCAN
Start	54	End	165
GI	none	Score	.72
Exons	54..165		
Seq. No.	49947	Seq. ID	OJ000328_19.0419.C14
Gene No.	106131	Strand	+
Start	1	End	717
Name	OJ000328_19.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	717
GI	4512706	Score	78
Exons	1..124, 363..575, 692..717		
GI Descrip.	(AC006569) putative myosin heavy chain [Arabidopsis thaliana]		
Seq. No.	49947	Seq. ID	OJ000328_19.0419.C14
Gene No.	106131	Strand	+
Start	1	End	717
Name	OJ000328_19.0419.C14.o1.gs	Method	GENSCAN
Start	361	End	549
GI	none	Score	.94
Exons	361..549		
Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106132	Strand	-
Start	1	End	3120

Name	OJ000328_19.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	3120
GI	7488653	Score	767
Exons	1..91, 201..323, 745..940, 1059..1180, 2764..3120		
GI Descrip.	choline kinase (EC 2.7.1.32) CK2 - soybean gi|1438881|gb|AAC49375.1| (U43839) GmCK2p [Glycine max]		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106132	Strand	-
Start	1	End	3120
Name	OJ000328_19.0419.C16.o1.gs	Method	GENSCAN
Start	49	End	2982
GI	none	Score	.91
Exons	49..96, 206..323, 745..940, 1236..1339, 2764..2982		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	201	End	3027
GI	none	Score	85
Exons	201..323, 204..323, 205..330, 205..330, 743..946, 751..945, 1049..1183, 1056..1181, 2764..2922, 2953..3027		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o2.tc	Method	TBLASTX:Cress
Start	201	End	802
GI	none	Score	72
Exons	201..296, 201..323, 205..324, 744..791, 746..802		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	216	End	2862
GI	none	Score	130
Exons	216..323, 217..324, 219..323, 743..943, 744..944, 745..963, 746..940, 751..945, 1049..1183, 1056..1181, 1063..1188, 2764..2862, 2764..2862		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	1094	End	2922
GI	none	Score	227
Exons	1094..1120, 1118..1183, 2764..2922		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	2866	End	3184
GI	none	Score	58
Exons	2866..2916, 2866..2922, 2953..3096, 2957..3019, 2965..3060,		

3137..3184

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o2.gs	Method	GENSCAN
Start	3580	End	7537
GI	none	Score	.69
Exons	3580..3785, 4971..5334, 5441..5599, 5699..6250, 6376..6534, 6615..6721, 7325..7537		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o2.np	Method	AAT/NAP
Start	4969	End	6501
GI	5803254	Score	660
Exons	4969..5341, 5424..5587, 5687..6501		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	49948	Seq. ID	OJ000328_19.0419.C16
Gene No.	106133	Strand	-
Start	3580	End	7537
Name	OJ000328_19.0419.C16.o3.tm	Method	TBLASTX:Maize
Start	5435	End	6082
GI	none	Score	78
Exons	5435..5518, 5436..5504, 5537..5608, 5538..5588, 5687..5776, 5708..5815, 5865..6077, 5873..6082		

Seq. No.	49949	Seq. ID	OJ000328_19.0419.C17
Gene No.	106134	Strand	-
Start	632	End	3171
Name	OJ000328_19.0419.C17.o1.gs	Method	GENSCAN
Start	632	End	3171
GI	none	Score	.79
Exons	632..743, 1438..1778, 2201..3034, 3115..3171		

Seq. No.	49949	Seq. ID	OJ000328_19.0419.C17
Gene No.	106134	Strand	-
Start	632	End	3171
Name	OJ000328_19.0419.C17.o1.np	Method	AAT/NAP
Start	1392	End	3001
GI	5803254	Score	707
Exons	1392..1778, 1909..2058, 2201..3001		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	49949	Seq. ID	OJ000328_19.0419.C17
Gene No.	106134	Strand	-
Start	632	End	3171
Name	OJ000328_19.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	1392	End	1727
GI	none	Score	85
Exons	1392..1511, 1393..1506, 1404..1514, 1575..1727, 1597..1725		

Seq. No.	49949	Seq. ID	OJ000328_19.0419.C17
Gene No.	106134	Strand	-
Start	632	End	3171
Name	OJ000328_19.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	1903	End	2585
GI	none	Score	67
Exons	1903..1971, 1904..1972, 2199..2279, 2210..2317, 2367..2585, 2369..2584		

Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106135	Strand	+
Start	283	End	657
Name	OJ000328_19.0419.C18.o1.gs	Method	GENSCAN
Start	283	End	657
GI	none	Score	.88
Exons	283..657		

Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o1.np	Method	AAT/NAP
Start	2451	End	5363
GI	6223646	Score	1201
Exons	2451..2810, 4253..5363		
GI Descrip.	(AC011698) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o2.gs	Method	GENSCAN
Start	2452	End	5601
GI	none	Score	.9
Exons	2452..2810, 4253..5011, 5212..5382, 5517..5601		

Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o2.tm	Method	TBLASTX:Maize
Start	2520	End	4379
GI	none	Score	244
Exons	2520..2816, 2536..2817, 4248..4379, 4250..4366		

Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o2.tc	Method	TBLASTX:Cress
Start	2542	End	2790
GI	none	Score	208
Exons	2542..2790, 2550..2786		

Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o3.ts	Method	TBLASTX:Soybean
Start	2542	End	4505
GI	none	Score	217

Exons	2542..2799, 2550..2711, 4248..4430, 4250..4405, 4434..4505		
Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	4248	End	4673
GI	none	Score	195
Exons	4248..4430, 4250..4405, 4433..4585, 4434..4535, 4533..4673, 4548..4667		
Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	4452	End	5342
GI	none	Score	522
Exons	4452..4952, 4466..4933, 4989..5342, 4994..5287		
Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	4596	End	4847
GI	none	Score	287
Exons	4596..4847, 4643..4846		
Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o2.ts	Method	TBLASTX:Soybean
Start	5045	End	5354
GI	none	Score	249
Exons	5045..5242, 5064..5354		
Seq. No.	49950	Seq. ID	OJ000328_19.0419.C18
Gene No.	106136	Strand	+
Start	2452	End	5601
Name	OJ000328_19.0419.C18.o3.tc	Method	TBLASTX:Cress
Start	5061	End	5279
GI	none	Score	201
Exons	5061..5279, 5063..5260		
Seq. No.	49951	Seq. ID	OJ000328_19.0419.C19
Gene No.	106137	Strand	+
Start	6	End	868
Name	OJ000328_19.0419.C19.o1.gs	Method	GENSCAN
Start	6	End	868
GI	none	Score	.5
Exons	6..43, 248..251, 273..545, 620..868		
Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	65	End	1046
GI	none	Score	55

Exons	65..124, 66..125, 129..173, 130..162, 142..213, 194..220, 244..324, 248..352, 294..695, 295..723, 347..697, 739..822, 743..826, 743..823, 899..934, 904..933, 935..982, 936..998, 987..1046, 992..1042		

Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	330	End	2014
GI	none	Score	117
Exons	330..473, 355..504, 510..689, 511..690, 1678..1788, 1679..1786, 1870..1959, 1876..2013, 1877..2014		

Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o1.gs	Method	GENSCAN
Start	348	End	2017
GI	none	Score	.98
Exons	348..688, 1680..1785, 1876..2017		

Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o1.np	Method	AAT/NAP
Start	351	End	2088
GI	6648151	Score	639
Exons	351..688, 1680..1785, 1876..2088		
GI Descrip.	(AC010926) protein phosphatase 2C (AtP2C-HA) [Arabidopsis thaliana]		

Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	396	End	665
GI	none	Score	131
Exons	396..662, 396..665, 397..663		

Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	546	End	1945
GI	none	Score	148
Exons	546..689, 550..690, 1678..1809, 1687..1788, 1876..1944, 1883..1945		

Seq. No.	49952	Seq. ID	OJ000328_19.0419.C22
Gene No.	106138	Strand	-
Start	348	End	2088
Name	OJ000328_19.0419.C22.o2.tm	Method	TBLASTX:Maize
Start	1633	End	2087
GI	none	Score	163
Exons	1633..1788, 1647..1793, 1651..1809, 1866..2015, 1876..2019, 1877..2017, 2022..2087		

Seq. No.	49953	Seq. ID	OJ000328_19.0419.C23
Gene No.	106139	Strand	-
Start	1529	End	1683
Name	OJ000328_19.0419.C23.o1.gs	Method	GENSCAN
Start	1529	End	1683
GI	none	Score	.87
Exons	1529..1683		

Seq. No.	49954	Seq. ID	OJ000328_19.0419.C24
Gene No.	106140	Strand	+
Start	308	End	377
Name	OJ000328_19.0419.C24.o1.gs	Method	GENSCAN
Start	308	End	377
GI	none	Score	.62
Exons	308..377		

Seq. No.	49954	Seq. ID	OJ000328_19.0419.C24
Gene No.	106141	Strand	+
Start	798	End	1215
Name	OJ000328_19.0419.C24.o2.gs	Method	GENSCAN
Start	798	End	1215
GI	none	Score	.81
Exons	798..871, 1176..1215		

Seq. No.	49954	Seq. ID	OJ000328_19.0419.C24
Gene No.	106142	Strand	-
Start	1	End	400
Name	OJ000328_19.0419.C24.o1.gp	Method	AAT/GAP
Start	1	End	386
GI	7406_1.R1084	Score	227
Exons	1..24, 220..386		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	49954	Seq. ID	OJ000328_19.0419.C24
Gene No.	106142	Strand	-
Start	1	End	400
Name	OJ000328_19.0419.C24.o1.np	Method	AAT/NAP
Start	272	End	400
GI	6721543	Score	96
Exons	272..400		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	49954	Seq. ID	OJ000328_19.0419.C24
Gene No.	106143	Strand	-
Start	620	End	876
Name	OJ000328_19.0419.C24.o2.gp	Method	AAT/GAP
Start	620	End	876
GI	2427586	Score	428
Exons	620..876		

Seq. No.	49955	Seq. ID	OJ000328_19.0419.C25
Gene No.	106144	Strand	+
Start	756	End	1362
Name	OJ000328_19.0419.C25.o1.gs	Method	GENSCAN
Start	756	End	1362

GI	none	Score	.53
Exons	756..784, 1284..1362		

Seq. No.	49955	Seq. ID	OJ000328_19.0419.C25
Gene No.	106145	Strand	+
Start	2239	End	2531
Name	OJ000328_19.0419.C25.o2.gs	Method	GENSCAN
Start	2239	End	2531
GI	none	Score	.8
Exons	2239..2290, 2386..2531		

Seq. No.	49956	Seq. ID	OJ000328_19.0419.C26
Gene No.	106146	Strand	+
Start	44	End	2303
Name	OJ000328_19.0419.C26.o1.gs	Method	GENSCAN
Start	44	End	2303
GI	none	Score	.87
Exons	44..188, 999..1184, 1262..1335, 1415..1496, 2023..2303		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106147	Strand	+
Start	9309	End	11034
Name	OJ000328_19.0419.C27.o2.gs	Method	GENSCAN
Start	9309	End	11034
GI	none	Score	.99
Exons	9309..9364, 9798..9897, 10013..10159, 10502..10582, 10713..10858, 10971..11034		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106147	Strand	+
Start	9309	End	11034
Name	OJ000328_19.0419.C27.o1.np	Method	AAT/NAP
Start	9312	End	11031
GI	7438410	Score	634
Exons	9312..9364, 9534..9560, 9798..9897, 10013..10159, 10502..10582, 10713..10858, 10971..11031		
GI Descrip.	GTP-binding protein Rab7c - common tobacco gi|623592|gb|AAA74120.1| (L29276) putative [Nicotiana tabacum]		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o2.np	Method	AAT/NAP
Start	14166	End	18953
GI	7228438	Score	1448
Exons	14166..15783, 15869..16282, 16363..16661, 16766..17027, 17120..17270, 18536..18953		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o4.gs	Method	GENSCAN
Start	14436	End	28431
GI	none	Score	.58

Exons	14436..14792, 15268..15341, 15417..15783, 15869..16091, 16164..16282, 16363..16480, 16625..16661, 16766..17027, 17120..17227, 17274..17375, 17644..17880, 17916..18189, 18637..18953, 19039..19180, 19592..19773, 20577..20672, 22670..22748, 24765..24985, 25014..25047, 25117..25308, 26440..26544, 26892..26985, 27357..27713, 27822..27983, 28230..28431		
Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o2.gp	Method	AAT/GAP
Start	15456	End	17884
GI	LIB3433-020-P1-K1-A6	Score	677
Exons	15456..15511, 17330..17680, 17857..17884		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o3.gp	Method	AAT/GAP
Start	25825	End	26248
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	25825..25894, 26222..26248		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o3.np	Method	AAT/NAP
Start	25930	End	29189
GI	2275204	Score	212
Exons	25930..25955, 27868..27983, 28230..28439, 28974..29189		
GI Descrip.	(AC002337) putative WRKY-type DNA binding protein [Arabidopsis thaliana]		
Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o4.gp	Method	AAT/GAP
Start	27143	End	27451
GI	2312474	Score	573
Exons	27143..27451		
Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106148	Strand	+
Start	14436	End	29189
Name	OJ000328_19.0419.C27.o5.gp	Method	AAT/GAP
Start	28655	End	28826
GI	6025030	Score	295
Exons	28655..28826		
Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106149	Strand	+

Start	32503	End	33494
Name	OJ000328_19.0419.C27.o4.np	Method	AAT/NAP
Start	32503	End	33494
GI	7441409	Score	369
Exons	32503..32634, 33136..33279, 33397..33494		
GI Descrip.	myosin-like protein my5 - common sunflower gi|2444180|gb|AAB71529.1| (U94785) unconventional myosin [Helianthus annuus]		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106150	Strand	-
Start	11306	End	12657
Name	OJ000328_19.0419.C27.o1.tc	Method	TBLASTX:Cress
Start	7955	End	10861
GI	none	Score	67
Exons	7955..8029, 9787..9900, 9798..9908, 9798..9896, 9799..9897, 10010..10153, 10012..10140, 10012..10164, 10013..10165, 10501..10584, 10502..10588, 10713..10859, 10718..10861		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106150	Strand	-
Start	11306	End	12657
Name	OJ000328_19.0419.C27.o1.tw	Method	TBLASTX:Wheat
Start	7955	End	10742
GI	none	Score	61
Exons	7955..8029, 9787..9900, 9798..9896, 10012..10101, 10012..10155, 10013..10186, 10489..10584, 10497..10517, 10502..10588, 10713..10742		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106150	Strand	-
Start	11306	End	12657
Name	OJ000328_19.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	9290	End	10582
GI	none	Score	70
Exons	9290..9364, 9317..9364, 9787..9900, 9798..9896, 9799..9897, 9807..9908, 10008..10160, 10010..10159, 10012..10164, 10013..10165, 10474..10575, 10490..10579, 10502..10582		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106150	Strand	-
Start	11306	End	12657
Name	OJ000328_19.0419.C27.o1.ts	Method	TBLASTX:Soybean
Start	9314	End	11096
GI	none	Score	153
Exons	9314..9364, 9787..9900, 9798..9908, 9798..9896, 10012..10155, 10013..10165, 10501..10584, 10502..10588, 10713..10859, 10718..10861, 10718..10861, 10980..11027, 11046..11096		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106150	Strand	-
Start	11306	End	12657
Name	OJ000328_19.0419.C27.o3.tm	Method	TBLASTX:Maize
Start	10691	End	11034
GI	none	Score	247
Exons	10691..10834, 10707..10859, 10710..10862, 10721..10861, 10968..11033, 10972..11034		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106150	Strand	-
Start	11306	End	12657
Name	OJ000328_19.0419.C27.o3.gs	Method	GENSCAN
Start	11306	End	12657
GI	none	Score	.66
Exons	11306..12000, 12480..12657		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106151	Strand	
Start	15508	End	15690
Name	OJ000328_19.0419.C27.o2.tw	Method	TBLASTX:Wheat
Start	15508	End	15690
GI	none	Score	92
Exons	15508..15561, 15522..15572, 15570..15689, 15571..15690		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106152	Strand	
Start	27883	End	28473
Name	OJ000328_19.0419.C27.o2.ts	Method	TBLASTX:Soybean
Start	27883	End	28365
GI	none	Score	163
Exons	27883..27984, 27885..27962, 27905..27988, 28204..28365		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106152	Strand	
Start	27883	End	28473
Name	OJ000328_19.0419.C27.o2.tm	Method	TBLASTX:Maize
Start	27908	End	28473
GI	none	Score	139
Exons	27908..27988, 27910..27984, 28227..28373, 28227..28469, 28228..28473		

Seq. No.	49957	Seq. ID	OJ000328_19.0419.C27
Gene No.	106153	Strand	
Start	32329	End	33494
Name	OJ000328_19.0419.C27.o2.tc	Method	TBLASTX:Cress
Start	32329	End	33494
GI	none	Score	36
Exons	32329..32370, 32478..32636, 32488..32637, 33111..33278, 33127..33279, 33136..33279, 33394..33486, 33396..33494, 33397..33492		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+
Start	155	End	2280
Name	OJ000328_19.0419.C28.o1.tc	Method	TBLASTX:Cress
Start	154	End	1850
GI	none	Score	94
Exons	154..219, 155..211, 447..614, 448..612, 450..614, 653..835, 685..864, 694..849, 942..1010, 968..1081, 971..1081, 1184..1330, 1201..1329, 1399..1497, 1419..1499, 1577..1639, 1579..1635, 1746..1850, 1747..1848, 1751..1849		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+

Start	155	End	2280
Name	OJ000328_19.0419.C28.o1.np	Method	AAT/NAP
Start	155	End	2280
GI	4733891	Score	1008
Exons	155..213, 453..612, 686..835, 945..1080, 1183..1329, 1398..1499, 1582..1639, 1749..1850, 2258..2280		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+
Start	155	End	2280
Name	OJ000328_19.0419.C28.o2.tm	Method	TBLASTX:Maize
Start	155	End	600
GI	none	Score	87
Exons	155..214, 157..204, 161..205, 466..600, 468..584		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+
Start	155	End	2280
Name	OJ000328_19.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	968	End	1330
GI	none	Score	128
Exons	968..1081, 979..1086, 1184..1330, 1225..1329		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+
Start	155	End	2280
Name	OJ000328_19.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	1184	End	1841
GI	none	Score	80
Exons	1184..1330, 1453..1497, 1576..1635, 1577..1639, 1746..1841		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+
Start	155	End	2280
Name	OJ000328_19.0419.C28.o3.tm	Method	TBLASTX:Maize
Start	1453	End	1850
GI	none	Score	59
Exons	1453..1497, 1570..1635, 1571..1639, 1746..1850		

Seq. No.	49958	Seq. ID	OJ000328_19.0419.C28
Gene No.	106154	Strand	+
Start	155	End	2280
Name	OJ000328_19.0419.C28.o1.gs	Method	GENSCAN
Start	1761	End	1850
GI	none	Score	.4
Exons	1761..1850		

Seq. No.	49959	Seq. ID	OJ000328_19.0419.C29
Gene No.	106155	Strand	+
Start	1	End	2713
Name	OJ000328_19.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	2713
GI	4733891	Score	782
Exons	1..30, 249..286, 449..575, 661..827, 1638..1769, 1848..1957, 2032..2092, 2520..2713		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	49959	Seq. ID	OJ000328_19.0419.C29
Gene No.	106155	Strand	+
Start	1	End	2713
Name	OJ000328_19.0419.C29.o1.gs	Method	GENSCAN
Start	249	End	2092
GI	none	Score	.76
Exons	249..286, 449..575, 661..742, 760..827, 1638..1769, 1848..1957, 2032..2092		

Seq. No.	49959	Seq. ID	OJ000328_19.0419.C29
Gene No.	106155	Strand	+
Start	1	End	2713
Name	OJ000328_19.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	424	End	2705
GI	none	Score	93
Exons	424..576, 449..580, 450..602, 658..771, 660..737, 725..808, 735..809, 777..827, 1626..1766, 1635..1766, 1655..1771, 1847..1948, 1848..1943, 2034..2063, 2036..2095, 2498..2698, 2517..2705		

Seq. No.	49959	Seq. ID	OJ000328_19.0419.C29
Gene No.	106155	Strand	+
Start	1	End	2713
Name	OJ000328_19.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	449	End	1739
GI	none	Score	174
Exons	449..493, 450..578, 527..577, 658..762, 660..737, 725..808, 726..809, 768..827, 1626..1739, 1635..1739		

Seq. No.	49959	Seq. ID	OJ000328_19.0419.C29
Gene No.	106155	Strand	+
Start	1	End	2713
Name	OJ000328_19.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	1641	End	1955
GI	none	Score	166
Exons	1641..1763, 1705..1773, 1836..1955, 1847..1954		

Seq. No.	49959	Seq. ID	OJ000328_19.0419.C29
Gene No.	106155	Strand	+
Start	1	End	2713
Name	OJ000328_19.0419.C29.o2.tm	Method	TBLASTX:Maize
Start	1850	End	2700
GI	none	Score	121
Exons	1850..1957, 1851..1943, 2030..2098, 2033..2095, 2513..2572, 2517..2699, 2518..2700		

Seq. No.	49960	Seq. ID	OJ000308_19.0419.C1
Gene No.	106156	Strand	-
Start	2443	End	3448
Name	OJ000308_19.0419.C1.o1.gs	Method	GENSCAN
Start	2443	End	3448
GI	none	Score	.71
Exons	2443..2486, 3311..3448		

Seq. No.	49961	Seq. ID	OJ000308_19.0419.C4
Gene No.	106157	Strand	+

Start	95	End	228
Name	OJ000308_19.0419.C4.o1.gs	Method	GENSCAN
Start	95	End	228
GI	none	Score	.79
Exons	95..228		

Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106158	Strand	+
Start	862	End	1236
Name	OJ000308_19.0419.C8.o1.gs	Method	GENSCAN
Start	862	End	1236
GI	none	Score	.63
Exons	862..1236		

Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106159	Strand	+
Start	1937	End	2412
Name	OJ000308_19.0419.C8.o1.gp	Method	AAT/GAP
Start	1937	End	2412
GI	LIB3432-057-P1-K1-E1	Score	857
Exons	1937..2412		
GI Descrip.	'3860263 3.0e-24 (AC005824) putative cytochrome p450 protein [Arabidopsis thaliana]'		

Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o1.np	Method	AAT/NAP
Start	2092	End	3660
GI	7430721	Score	973
Exons	2092..2583, 2617..3660		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi|4204095|gb|AAD10204.1| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	2137	End	2565
GI	none	Score	85
Exons	2137..2328, 2210..2299, 2332..2565, 2336..2554		

Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	2179	End	2558
GI	none	Score	59
Exons	2179..2316, 2191..2286, 2228..2317, 2327..2533, 2332..2526, 2442..2558		

Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	2182	End	2749
GI	none	Score	93

Exons	2182..2322, 2183..2332, 2327..2545, 2332..2583, 2332..2562, 2606..2749, 2608..2748		
Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	2191	End	3378
GI	none	Score	77
Exons	2191..2307, 2204..2284, 2229..2288, 2291..2560, 2320..2556, 2332..2568, 2554..2748, 2585..2722, 2848..2925, 3025..3378, 3203..3376, 3262..3378		
Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o3.tc	Method	TBLASTX:Cress
Start	2584	End	2988
GI	none	Score	75
Exons	2584..2754, 2621..2752, 2854..2988		
Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3011	End	3543
GI	none	Score	229
Exons	3011..3385, 3028..3543		
Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	3040	End	3528
GI	none	Score	130
Exons	3040..3378, 3194..3367, 3262..3378, 3433..3528		
Seq. No.	49962	Seq. ID	OJ000308_19.0419.C8
Gene No.	106160	Strand	-
Start	2092	End	3660
Name	OJ000308_19.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	3379	End	3549
GI	none	Score	128
Exons	3379..3495, 3379..3492, 3493..3549, 3493..3549		
Seq. No.	49963	Seq. ID	OJ000308_19.0419.C9
Gene No.	106161	Strand	-
Start	1170	End	1854
Name	OJ000308_19.0419.C9.o1.gs	Method	GENSCAN
Start	1170	End	1787
GI	none	Score	.76
Exons	1170..1312, 1472..1787		
Seq. No.	49963	Seq. ID	OJ000308_19.0419.C9
Gene No.	106161	Strand	-
Start	1170	End	1854
Name	OJ000308_19.0419.C9.o1.np	Method	AAT/NAP

Start	1616	End	1854
GI	7430721	Score	133
Exons	1616..1854		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi|4204095|gb|AAD10204.1| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	49963	Seq. ID	OJ000308_19.0419.C9
Gene No.	106161	Strand	-
Start	1170	End	1854
Name	OJ000308_19.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	1673	End	1835
GI	none	Score	106
Exons	1673..1834, 1719..1835		

Seq. No.	49964	Seq. ID	OJ000308_19.0419.C13
Gene No.	106162	Strand	+
Start	995	End	1339
Name	OJ000308_19.0419.C13.o1.gs	Method	GENSCAN
Start	995	End	1276
GI	none	Score	.97
Exons	995..1276		

Seq. No.	49964	Seq. ID	OJ000308_19.0419.C13
Gene No.	106162	Strand	+
Start	995	End	1339
Name	OJ000308_19.0419.C13.o1.np	Method	AAT/NAP
Start	1002	End	1339
GI	7433896	Score	240
Exons	1002..1339		
GI Descrip.	indole-3-acetate beta-glucosyltransferase homolog T27E13.12 - Arabidopsis thaliana gi|3150406|gb|AAC16958.1| (AC004165) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	49964	Seq. ID	OJ000308_19.0419.C13
Gene No.	106162	Strand	+
Start	995	End	1339
Name	OJ000308_19.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	1025	End	1303
GI	none	Score	168
Exons	1025..1156, 1025..1126, 1042..1230, 1112..1162, 1186..1302, 1190..1303		

Seq. No.	49964	Seq. ID	OJ000308_19.0419.C13
Gene No.	106162	Strand	+
Start	995	End	1339
Name	OJ000308_19.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	1042	End	1303
GI	none	Score	98
Exons	1042..1122, 1046..1123, 1135..1299, 1136..1303		

Seq. No.	49965	Seq. ID	OJ000308_19.0419.C14
Gene No.	106163	Strand	+
Start	869	End	1244
Name	OJ000308_19.0419.C14.o1.np	Method	AAT/NAP
Start	869	End	1244
GI	7433896	Score	175
Exons	869..1244		

GI Descrip. indole-3-acetate beta-glucosyltransferase homolog T27E13.12 - Arabidopsis thaliana gi|3150406|gb|AAC16958.1| (AC004165) putative glucosyltransferase [Arabidopsis thaliana]

Seq. No.	49965	Seq. ID	OJ000308_19.0419.C14
Gene No.	106164	Strand	-
Start	31	End	1209
Name	OJ000308_19.0419.C14.o1.gs	Method	GENSCAN
Start	31	End	1209
GI	none	Score	.67
Exons	31..235, 1040..1209		

Seq. No.	49965	Seq. ID	OJ000308_19.0419.C14
Gene No.	106164	Strand	-
Start	31	End	1209
Name	OJ000308_19.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	829	End	1106
GI	none	Score	297
Exons	829..1086, 831..1106, 836..1087		

Seq. No.	49966	Seq. ID	OJ000308_19.0419.C15
Gene No.	106165	Strand	-
Start	130	End	1037
Name	OJ000308_19.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	44	End	992
GI	none	Score	67
Exons	44..151, 444..743, 456..743, 487..744, 869..976, 870..992		

Seq. No.	49966	Seq. ID	OJ000308_19.0419.C15
Gene No.	106165	Strand	-
Start	130	End	1037
Name	OJ000308_19.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	100	End	977
GI	none	Score	166
Exons	100..300, 143..301, 143..301, 426..743, 487..744, 494..769, 869..973, 870..977		

Seq. No.	49966	Seq. ID	OJ000308_19.0419.C15
Gene No.	106165	Strand	-
Start	130	End	1037
Name	OJ000308_19.0419.C15.o1.gs	Method	GENSCAN
Start	130	End	1037
GI	none	Score	.85
Exons	130..306, 426..742, 871..1037		

Seq. No.	49966	Seq. ID	OJ000308_19.0419.C15
Gene No.	106165	Strand	-
Start	130	End	1037
Name	OJ000308_19.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	157	End	301
GI	none	Score	152
Exons	157..300, 161..301		

Seq. No.	49967	Seq. ID	OJ000308_19.0419.C16
Gene No.	106166	Strand	-
Start	1205	End	1616
Name	OJ000308_19.0419.C16.o1.np	Method	AAT/NAP

Start	1153	End	1616
GI	7487274	Score	184
Exons	1153..1616		
GI Descrip.	hypothetical protein T20K18.50 - Arabidopsis thaliana gi|4586246|emb|CAB40987.1| (AL049640) putative protein [Arabidopsis thaliana] gi|7267971|emb|CAB78312.1| (AL161534) putative protein [Arabidopsis thaliana]		

Seq. No.	49967	Seq. ID	OJ000308_19.0419.C16
Gene No.	106166	Strand	-
Start	1205	End	1616
Name	OJ000308_19.0419.C16.o1.gs	Method	GENSCAN
Start	1205	End	1564
GI	none	Score	.57
Exons	1205..1564		

Seq. No.	49967	Seq. ID	OJ000308_19.0419.C16
Gene No.	106166	Strand	-
Start	1205	End	1616
Name	OJ000308_19.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	1212	End	1341
GI	none	Score	90
Exons	1212..1277, 1212..1328, 1250..1336, 1255..1341, 1255..1338, 1257..1340		

Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106167	Strand	-
Start	1054	End	1492
Name	OJ000308_19.0419.C17.o1.gp	Method	AAT/GAP
Start	1054	End	1492
GI	none	Score	831
Exons	1054..1492		

Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106168	Strand	-
Start	1930	End	3492
Name	OJ000308_19.0419.C17.o2.gs	Method	GENSCAN
Start	1930	End	3483
GI	none	Score	.94
Exons	1930..3483		

Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106168	Strand	-
Start	1930	End	3492
Name	OJ000308_19.0419.C17.o1.np	Method	AAT/NAP
Start	1942	End	3492
GI	7430721	Score	975
Exons	1942..3492		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi|4204095|gb|AAD10204.1| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o3.tm	Method	TBLASTX:Maize
Start	1056	End	1359
GI	none	Score	380

Exons	1056..1325, 1058..1357, 1060..1359		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	1097	End	1286
GI	none	Score	233
Exons	1097..1285, 1104..1286		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o2.tc	Method	TBLASTX:Cress
Start	1107	End	1307
GI	none	Score	246
Exons	1107..1307, 1118..1276, 1125..1289		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	1945	End	3231
GI	none	Score	114
Exons	1945..2172, 1958..2170, 2179..2409, 2216..2362, 2239..2406, 2446..2586, 2447..2587, 2692..2820, 2827..2946, 2959..3231, 3044..3217		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	2023	End	2949
GI	none	Score	97
Exons	2023..2145, 2051..2131, 2068..2154, 2167..2406, 2245..2406, 2255..2533, 2395..2586, 2447..2560, 2608..2631, 2827..2949		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	2026	End	2373
GI	none	Score	94
Exons	2026..2172, 2075..2164, 2170..2373, 2216..2362, 2239..2373		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	2044	End	3375
GI	none	Score	60
Exons	2044..2157, 2167..2304, 2255..2326, 2326..2406, 2395..2577, 2444..2560, 2608..2631, 2827..3216, 3044..3205, 3289..3375		
Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529

Name	OJ000308_19.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	2964	End	3388
GI	none	Score	173
Exons	2964..3128, 2965..3087, 2965..3255, 3026..3244, 3236..3337, 3238..3336, 3338..3388, 3340..3387		

Seq. No.	49968	Seq. ID	OJ000308_19.0419.C17
Gene No.	106169	Strand	-
Start	3668	End	4529
Name	OJ000308_19.0419.C17.o3.gs	Method	GENSCAN
Start	3668	End	4529
GI	none	Score	.61
Exons	3668..3887, 4202..4529		

Seq. No.	49969	Seq. ID	OJ000308_19.0419.C20
Gene No.	106170	Strand	+
Start	45	End	686
Name	OJ000308_19.0419.C20.o1.gs	Method	GENSCAN
Start	45	End	686
GI	none	Score	.4
Exons	45..169, 612..686		

Seq. No.	49970	Seq. ID	OJ000308_19.0419.C21
Gene No.	106171	Strand	+
Start	894	End	1217
Name	OJ000308_19.0419.C21.o1.gs	Method	GENSCAN
Start	894	End	1209
GI	none	Score	.87
Exons	894..1209		

Seq. No.	49970	Seq. ID	OJ000308_19.0419.C21
Gene No.	106171	Strand	+
Start	894	End	1217
Name	OJ000308_19.0419.C21.o2.np	Method	AAT/NAP
Start	909	End	1217
GI	6091730	Score	158
Exons	909..1217		
GI Descrip.	(AC010797) putative cytochrome P450 [Arabidopsis thaliana] gi|6513941|gb|AAF14845.1|AC011664_27 (AC011664) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	49970	Seq. ID	OJ000308_19.0419.C21
Gene No.	106172	Strand	-
Start	1	End	482
Name	OJ000308_19.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	482
GI	6562752	Score	101
Exons	1..20, 118..482		
GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		

Seq. No.	49970	Seq. ID	OJ000308_19.0419.C21
Gene No.	106173	Strand	
Start	974	End	1216
Name	OJ000308_19.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	974	End	1216
GI	none	Score	95

Exons	974..1033, 975..1031, 1032..1214, 1034..1216		
Seq. No.	49970	Seq. ID	OJ000308_19.0419.C21
Gene No.	106173	Strand	
Start	974	End	1216
Name	OJ000308_19.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	981	End	1214
GI	none	Score	197
Exons	981..1214, 1005..1211, 1139..1213		
Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106174	Strand	+
Start	1	End	659
Name	OJ000308_19.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	635
GI	3860263	Score	451
Exons	1..635		
GI Descrip.	(AC005824) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106174	Strand	+
Start	1	End	659
Name	OJ000308_19.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	623
GI	none	Score	95
Exons	1..126, 12..125, 150..401, 177..407, 411..623, 414..581		
Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106174	Strand	+
Start	1	End	659
Name	OJ000308_19.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	4	End	557
GI	none	Score	115
Exons	4..132, 12..125, 180..413, 200..442, 426..557, 426..524, 449..529		
Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106174	Strand	+
Start	1	End	659
Name	OJ000308_19.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	168	End	545
GI	none	Score	244
Exons	168..401, 179..397, 405..545, 434..532		
Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106174	Strand	+
Start	1	End	659
Name	OJ000308_19.0419.C22.o1.gs	Method	GENSCAN
Start	192	End	659
GI	none	Score	.92
Exons	192..659		
Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106174	Strand	+
Start	1	End	659
Name	OJ000308_19.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	207	End	554

GI	none	Score	220
Exons	207..401, 207..401, 217..300,	417..554,	417..542

Seq. No.	49971	Seq. ID	OJ000308_19.0419.C22
Gene No.	106175	Strand	
Start	1832	End	2072
Name	OJ000308_19.0419.C22.o2.tw	Method	TBLASTX:Wheat
Start	1832	End	2072
GI	none	Score	181
Exons	1832..1957, 1833..2072		

Seq. No.	49972	Seq. ID	OJ000308_19.0419.C23
Gene No.	106176	Strand	+
Start	670	End	781
Name	OJ000308_19.0419.C23.o1.gs	Method	GENSCAN
Start	670	End	781
GI	none	Score	.61
Exons	670..781		

Seq. No.	49973	Seq. ID	OJ000308_19.0419.C25
Gene No.	106177	Strand	+
Start	1	End	391
Name	OJ000308_19.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	391
GI	6907086	Score	231
Exons	1..391		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49973	Seq. ID	OJ000308_19.0419.C25
Gene No.	106178	Strand	-
Start	80	End	175
Name	OJ000308_19.0419.C25.o1.gs	Method	GENSCAN
Start	80	End	175
GI	none	Score	.95
Exons	80..175		

Seq. No.	49974	Seq. ID	OJ000308_19.0419.C26
Gene No.	106179	Strand	-
Start	67	End	193
Name	OJ000308_19.0419.C26.o1.gs	Method	GENSCAN
Start	67	End	193
GI	none	Score	.63
Exons	67..193		

Seq. No.	49975	Seq. ID	OJ000308_19.0419.C31
Gene No.	106180	Strand	-
Start	12	End	1527
Name	OJ000308_19.0419.C31.o1.gs	Method	GENSCAN
Start	12	End	263
GI	none	Score	.99
Exons	12..263		

Seq. No.	49975	Seq. ID	OJ000308_19.0419.C31
Gene No.	106180	Strand	-
Start	12	End	1527
Name	OJ000308_19.0419.C31.o1.np	Method	AAT/NAP
Start	122	End	1527

GI	6907088	Score	995
Exons	122..506, 997..1234, 1410..1527		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49976	Seq. ID	OJ000308_19.0419.C32
Gene No.	106181	Strand	+
Start	547	End	718
Name	OJ000308_19.0419.C32.o1.gs	Method	GENSCAN
Start	547	End	718
GI	none	Score	.42
Exons	547..718		

Seq. No.	49976	Seq. ID	OJ000308_19.0419.C32
Gene No.	106182	Strand	+
Start	686	End	1099
Name	OJ000308_19.0419.C32.o1.np	Method	AAT/NAP
Start	686	End	1099
GI	6002794	Score	109
Exons	686..797, 1025..1099		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	49977	Seq. ID	OJ000308_19.0419.C33
Gene No.	106183	Strand	+
Start	634	End	1342
Name	OJ000308_19.0419.C33.o1.gs	Method	GENSCAN
Start	634	End	1342
GI	none	Score	.73
Exons	634..802, 1179..1342		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106184	Strand	+
Start	853	End	2489
Name	OJ000308_19.0419.C35.o1.gs	Method	GENSCAN
Start	853	End	2489
GI	none	Score	.78
Exons	853..984, 1610..1840, 2151..2281, 2399..2489		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106185	Strand	+
Start	3002	End	3425
Name	OJ000308_19.0419.C35.o1.gp	Method	AAT/GAP
Start	3002	End	3425
GI	none	Score	800
Exons	3002..3425		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o3.tm	Method	TBLASTX:Maize
Start	112	End	241
GI	none	Score	190
Exons	112..240, 113..241		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o2.tm	Method	TBLASTX:Maize

Start	1561	End	2285
GI	none	Score	361
Exons	1561..1833, 1562..1846, 2137..2271, 2144..2275, 2150..2284, 2151..2285		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	3408	End	6560
GI	none	Score	128
Exons	3408..3509, 3415..3501, 3659..3823, 3672..3824, 3673..3840, 3673..3834, 3922..4158, 3929..4159, 4255..4401, 4261..4401, 4262..4402, 4263..4406, 4487..4570, 4488..4568, 4489..4611, 4679..4735, 4679..4735, 4955..5014, 4956..5015, 4958..5017, 4959..5015, 5121..5219, 5121..5219, 5122..5223, 5122..5220, 5322..5435, 5322..5435, 5323..5436, 6474..6560, 6475..6555		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	3426	End	4102
GI	none	Score	106
Exons	3426..3503, 3427..3501, 3660..3725, 3668..3727, 3711..3821, 3725..3820, 3728..3835, 3931..4101, 3932..4102		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o2.gp	Method	AAT/GAP
Start	3447	End	4089
GI	LIB3433-029-P1-K1-H1	Score	619
Exons	3447..3500, 3674..3826, 3922..4089		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o2.gs	Method	GENSCAN
Start	3494	End	7743
GI	none	Score	.79
Exons	3494..3826, 3922..4157, 4266..4400, 4960..5044, 5322..5484, 6480..6654, 6894..7243, 7579..7743		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o1.np	Method	AAT/NAP
Start	3567	End	6569
GI	5712716	Score	612
Exons	3567..3826, 3922..4154, 4266..4400, 4489..4567, 4682..4737, 4960..5004, 5105..5198, 5307..5435, 6480..6569		
GI Descrip.	(AF153708) unknown [Pseudomonas sp. BG33R]		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35

Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	4033	End	4576
GI	none	Score	145
Exons	4033..4158, 4034..4159, 4051..4179, 4255..4386, 4261..4401, 4265..4402, 4475..4570, 4476..4568, 4487..4576		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o2.ts	Method	TBLASTX:Soybean
Start	4102	End	4602
GI	none	Score	54
Exons	4102..4158, 4103..4159, 4261..4401, 4265..4402, 4487..4570, 4488..4568, 4489..4602		

Seq. No.	49978	Seq. ID	OJ000308_19.0419.C35
Gene No.	106186	Strand	-
Start	3494	End	7743
Name	OJ000308_19.0419.C35.o3.ts	Method	TBLASTX:Soybean
Start	4679	End	6560
GI	none	Score	62
Exons	4679..4738, 4955..5035, 4959..5033, 5121..5180, 5122..5178, 5122..5199, 5322..5462, 5323..5436, 6474..6560, 6475..6555		

Seq. No.	49979	Seq. ID	OJ000308_19.0419.C36
Gene No.	106187	Strand	+
Start	11	End	1593
Name	OJ000308_19.0419.C36.o1.gs	Method	GENSCAN
Start	11	End	1593
GI	none	Score	.99
Exons	11..57, 1095..1593		

Seq. No.	49979	Seq. ID	OJ000308_19.0419.C36
Gene No.	106188	Strand	-
Start	2024	End	2445
Name	OJ000308_19.0419.C36.o2.gs	Method	GENSCAN
Start	2024	End	2445
GI	none	Score	.54
Exons	2024..2122, 2257..2445		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	2646
GI	6957708	Score	1239
Exons	1..612, 1419..1742, 1829..2129, 2453..2646		
GI Descrip.	(AC021640) cell division protein FtsH-like protein [Arabidopsis thaliana]		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o1.gs	Method	GENSCAN
Start	136	End	2649

GI	none	Score	.88
Exons	136..612, 1419..1742, 1829..2129, 2453..2649		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o2.tm	Method	TBLASTX:Maize
Start	340	End	615
GI	none	Score	338
Exons	340..615, 348..563		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	481	End	1945
GI	none	Score	141
Exons	481..615, 1410..1745, 1421..1738, 1823..1945, 1826..1945		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	1410	End	2127
GI	none	Score	271
Exons	1410..1706, 1416..1634, 1460..1684, 1713..1745, 1826..2104, 2047..2127		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o2.tc	Method	TBLASTX:Cress
Start	1449	End	1600
GI	none	Score	160
Exons	1449..1556, 1457..1600		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o2.tw	Method	TBLASTX:Wheat
Start	1449	End	1709
GI	none	Score	124
Exons	1449..1550, 1460..1681, 1599..1709		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o1.tc	Method	TBLASTX:Cress
Start	1602	End	2595
GI	none	Score	195
Exons	1602..1745, 1607..1741, 1823..2107, 1826..2104, 1861..2130, 1899..2123, 1981..2124, 2452..2595		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o1.tw	Method	TBLASTX:Wheat

Start	1826	End	2035
GI	none	Score	187
Exons	1826..2035, 1826..1999		

Seq. No.	49980	Seq. ID	OJ000308_19.0419.C37
Gene No.	106189	Strand	+
Start	1	End	2658
Name	OJ000308_19.0419.C37.o3.tm	Method	TBLASTX:Maize
Start	2452	End	2658
GI	none	Score	118
Exons	2452..2532, 2452..2514, 2527..2658, 2529..2651		

Seq. No.	49981	Seq. ID	OJ000308_19.0419.C38
Gene No.	106190	Strand	+
Start	259	End	410
Name	OJ000308_19.0419.C38.o1.gs	Method	GENSCAN
Start	259	End	410
GI	none	Score	.82
Exons	259..410		

Seq. No.	49981	Seq. ID	OJ000308_19.0419.C38
Gene No.	106191	Strand	+
Start	519	End	729
Name	OJ000308_19.0419.C38.o1.gp	Method	AAT/GAP
Start	519	End	729
GI	2797834	Score	337
Exons	519..729		

Seq. No.	49982	Seq. ID	OJ000308_19.0419.C39
Gene No.	106192	Strand	-
Start	1596	End	1786
Name	OJ000308_19.0419.C39.o1.gs	Method	GENSCAN
Start	1596	End	1786
GI	none	Score	.53
Exons	1596..1786		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106193	Strand	+
Start	1	End	587
Name	OJ000308_19.0419.C42.o1.np	Method	AAT/NAP
Start	1	End	587
GI	4512659	Score	159
Exons	1..225, 314..587		
GI Descrip.	(AC006931) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106193	Strand	+
Start	1	End	587
Name	OJ000308_19.0419.C42.o1.gs	Method	GENSCAN
Start	144	End	550
GI	none	Score	.86
Exons	144..224, 314..550		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106194	Strand	+
Start	4128	End	4253
Name	OJ000308_19.0419.C42.o2.gp	Method	AAT/GAP

Start	4128	End	4253
GI	uC-osflM202073a07a1	Score	217
Exons	4128..4253		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 4.0e-17 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106195	Strand	-
Start	1194	End	3767
Name	OJ000308_19.0419.C42.o2.gs	Method	GENSCAN
Start	1194	End	3767
GI	none	Score	.72
Exons	1194..1352, 1820..1866, 2825..3437, 3531..3604, 3755..3767		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106195	Strand	-
Start	1194	End	3767
Name	OJ000308_19.0419.C42.o1.gp	Method	AAT/GAP
Start	3022	End	3346
GI	uC-osflm202002h08b1	Score	598
Exons	3022..3346		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106196	Strand	-
Start	4261	End	4383
Name	OJ000308_19.0419.C42.o3.gp	Method	AAT/GAP
Start	4261	End	4383
GI	none	Score	238
Exons	4261..4383		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o3.gs	Method	GENSCAN
Start	4594	End	9026
GI	none	Score	.9
Exons	4594..5412, 6112..6262, 6482..8379, 8961..9026		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o2.np	Method	AAT/NAP
Start	4615	End	8393
GI	7459622	Score	2314
Exons	4615..5412, 6112..6262, 6482..8393		
GI Descrip.	probable RNA-directed RNA polymerase (EC 2.7.7.48) - Arabidopsis thaliana gi|3600048|gb|AAC35535.1| (AF080120) similar to hypothetical proteins in Schizosaccharomyces pombe (GB:Z98533) and C. elegans (GB:Z48334 and Z78419) [Arabidopsis thaliana] gi|4850292|emb|CAB43048.1| (AL049876) putative RNA-directed RNA polymerase [Arabidopsis thaliana] gi|7267812|emb|CAB81214.1| (AL16		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42

Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o3.tm	Method	TBLASTX:Maize
Start	4684	End	5193
GI	none	Score	136
Exons	4684..4809, 4685..4810, 4828..4944, 4838..4930, 4859..4945, 4988..5050, 5011..5061, 5015..5074, 5116..5193, 5132..5191		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o4.tm	Method	TBLASTX:Maize
Start	5194	End	6564
GI	none	Score	197
Exons	5194..5409, 5194..5415, 5195..5419, 5195..5419, 6091..6264, 6107..6265, 6112..6264, 6481..6531, 6526..6564		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o4.gp	Method	AAT/GAP
Start	6484	End	6965
GI	LIB3432-018-P1-K1-A1	Score	902
Exons	6484..6965		
GI Descrip.	'3600048 1.0e-42 (AF080120) similar to hypothetical proteins in Schizosaccharomyces pombe (GB:Z98533) and C. elegans (GB:Z48334 and Z78419) [Arabidopsis thaliana] >gi_4850292_emb_CAB43048.1_ (AL049876) putative RNA-directed RNA polymerase [Arabidopsis thaliana]'		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o2.tm	Method	TBLASTX:Maize
Start	6565	End	7059
GI	none	Score	436
Exons	6565..7059, 6565..7059		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o1.ts	Method	TBLASTX:Soybean
Start	6676	End	6898
GI	none	Score	85
Exons	6676..6897, 6698..6898		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026
Name	OJ000308_19.0419.C42.o1.tm	Method	TBLASTX:Maize
Start	7060	End	7812
GI	none	Score	777
Exons	7060..7809, 7061..7810, 7061..7810, 7063..7812		

Seq. No.	49983	Seq. ID	OJ000308_19.0419.C42
Gene No.	106197	Strand	-
Start	4594	End	9026

Name	OJ000308_19.0419.C42.o1.tw	Method	TBLASTX:Wheat
Start	8103	End	8396
GI	none	Score	305
Exons	8103..8204, 8104..8394, 8104..8394, 8114..8395, 8115..8396		

Seq. No.	49984	Seq. ID	OJ000308_19.0419.C43
Gene No.	106198	Strand	+
Start	1025	End	2029
Name	OJ000308_19.0419.C43.o1.np	Method	AAT/NAP
Start	1025	End	2029
GI	6907088	Score	483
Exons	1025..1162, 1338..1616, 2002..2029		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49984	Seq. ID	OJ000308_19.0419.C43
Gene No.	106198	Strand	+
Start	1025	End	2029
Name	OJ000308_19.0419.C43.o2.np	Method	AAT/NAP
Start	1717	End	2029
GI	6069659	Score	93
Exons	1717..1835, 1961..2029		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	49984	Seq. ID	OJ000308_19.0419.C43
Gene No.	106199	Strand	-
Start	499	End	1093
Name	OJ000308_19.0419.C43.o1.gs	Method	GENSCAN
Start	499	End	1093
GI	none	Score	.75
Exons	499..572, 951..998, 1039..1093		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106200	Strand	+
Start	1	End	924
Name	OJ000308_19.0419.C44.o1.np	Method	AAT/NAP
Start	1	End	788
GI	5734635	Score	335
Exons	1..788		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106200	Strand	+
Start	1	End	924
Name	OJ000308_19.0419.C44.o1.gs	Method	GENSCAN
Start	440	End	924
GI	none	Score	.73
Exons	440..520, 895..924		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106201	Strand	+
Start	4281	End	5831
Name	OJ000308_19.0419.C44.o3.gs	Method	GENSCAN
Start	4281	End	5831
GI	none	Score	.99
Exons	4281..4957, 5558..5831		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44

Gene No.	106202	Strand	-
Start	2479	End	3165
Name	OJ000308_19.0419.C44.o1.gp	Method	AAT/GAP
Start	2271	End	3165
GI	25244_1.R1084	Score	1423
Exons	2271..2771, 2915..3165		
GI Descrip.	'2392771/gb|AAB70034.1|AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106202	Strand	-
Start	2479	End	3165
Name	OJ000308_19.0419.C44.o2.gs	Method	GENSCAN
Start	2479	End	3095
GI	none	Score	.99
Exons	2479..2771, 2915..3095		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o2.tm	Method	TBLASTX:Maize
Start	2461	End	3102
GI	none	Score	40
Exons	2461..2598, 2480..2599, 2635..2793, 2644..2682, 2702..2797, 2916..3101, 2917..3102		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o1.tw	Method	TBLASTX:Wheat
Start	2479	End	2598
GI	none	Score	192
Exons	2479..2598		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o2.ts	Method	TBLASTX:Soybean
Start	2635	End	3086
GI	none	Score	108
Exons	2635..2706, 2895..3086, 2914..3084		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o4.tm	Method	TBLASTX:Maize
Start	4484	End	4658
GI	none	Score	156
Exons	4484..4570, 4485..4601, 4503..4601, 4593..4658, 4593..4658		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o2.tc	Method	TBLASTX:Cress
Start	4917	End	5768
GI	none	Score	65
Exons	4917..4958, 5552..5752, 5556..5768, 5557..5763		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o3.np	Method	AAT/NAP
Start	6305	End	6709
GI	4263820	Score	139
Exons	6305..6709		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o1.tc	Method	TBLASTX:Cress
Start	6323	End	6937
GI	none	Score	103
Exons	6323..6415, 6425..6481, 6578..6658, 6761..6937		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o1.ts	Method	TBLASTX:Soybean
Start	6323	End	6670
GI	none	Score	74
Exons	6323..6421, 6348..6392, 6428..6577, 6581..6670		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o3.tm	Method	TBLASTX:Maize
Start	6323	End	6643
GI	none	Score	59
Exons	6323..6421, 6345..6395, 6428..6538, 6581..6643		

Seq. No.	49985	Seq. ID	OJ000308_19.0419.C44
Gene No.	106203	Strand	-
Start	6305	End	7072
Name	OJ000308_19.0419.C44.o1.tm	Method	TBLASTX:Maize
Start	6680	End	7072
GI	none	Score	97
Exons	6680..6784, 6681..6785, 6688..6786, 6782..6820, 6782..6814, 6821..6988, 6822..6992, 6829..6984, 6845..6988, 6987..7067, 6990..7067, 7004..7072		

Seq. No.	49986	Seq. ID	OJ000308_19.0419.C45
Gene No.	106204	Strand	-
Start	296	End	1776
Name	OJ000308_19.0419.C45.o1.tc	Method	TBLASTX:Cress
Start	293	End	593
GI	none	Score	139
Exons	293..457, 306..446, 492..593		

Seq. No.	49986	Seq. ID	OJ000308_19.0419.C45
Gene No.	106204	Strand	-
Start	296	End	1776
Name	OJ000308_19.0419.C45.o1.np	Method	AAT/NAP
Start	296	End	1776

GI	6957707	Score	177
Exons	296..600, 1718..1776		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	49986	Seq. ID	OJ000308_19.0419.C45
Gene No.	106204	Strand	-
Start	296	End	1776
Name	OJ000308_19.0419.C45.o1.tm	Method	TBLASTX:Maize
Start	296	End	593
GI	none	Score	90
Exons	296..457, 296..457, 315..461, 501..593		

Seq. No.	49986	Seq. ID	OJ000308_19.0419.C45
Gene No.	106204	Strand	-
Start	296	End	1776
Name	OJ000308_19.0419.C45.o1.ts	Method	TBLASTX:Soybean
Start	299	End	614
GI	none	Score	91
Exons	299..457, 300..449, 498..614		

Seq. No.	49986	Seq. ID	OJ000308_19.0419.C45
Gene No.	106204	Strand	-
Start	296	End	1776
Name	OJ000308_19.0419.C45.o1.gs	Method	GENSCAN
Start	302	End	616
GI	none	Score	.45
Exons	302..377, 489..616		

Seq. No.	49987	Seq. ID	OJ000308_19.0419.C46
Gene No.	106205	Strand	+
Start	863	End	6779
Name	OJ000308_19.0419.C46.o1.np	Method	AAT/NAP
Start	863	End	5080
GI	5281040	Score	302
Exons	863..1086, 2165..2734, 5038..5080		
GI Descrip.	(AL080318) copper amine oxidase-like protein [Arabidopsis thaliana]		

Seq. No.	49987	Seq. ID	OJ000308_19.0419.C46
Gene No.	106205	Strand	+
Start	863	End	6779
Name	OJ000308_19.0419.C46.o1.gs	Method	GENSCAN
Start	977	End	6779
GI	none	Score	.58
Exons	977..1174, 1703..1762, 1781..1909, 2124..2498, 2504..2669, 2887..3003, 6355..6571, 6653..6779		

Seq. No.	49987	Seq. ID	OJ000308_19.0419.C46
Gene No.	106205	Strand	+
Start	863	End	6779
Name	OJ000308_19.0419.C46.o1.ts	Method	TBLASTX:Soybean
Start	2483	End	2738
GI	none	Score	60
Exons	2483..2560, 2490..2540, 2552..2734, 2553..2738		

Seq. No.	49987	Seq. ID	OJ000308_19.0419.C46
Gene No.	106205	Strand	+

Start	863	End	6779
Name	OJ000308_19.0419.C46.o1.tc	Method	TBLASTX:Cress
Start	2558	End	2735
GI	none	Score	201
Exons	2558..2734, 2559..2735		

Seq. No.	49988	Seq. ID	OJ000308_19.0419.C49
Gene No.	106206	Strand	-
Start	1	End	1047
Name	OJ000308_19.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	1047
GI	6907086	Score	992
Exons	1..218, 276..1047		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	49988	Seq. ID	OJ000308_19.0419.C49
Gene No.	106206	Strand	-
Start	1	End	1047
Name	OJ000308_19.0419.C49.o1.gs	Method	GENSCAN
Start	293	End	841
GI	none	Score	.98
Exons	293..841		

Seq. No.	49988	Seq. ID	OJ000308_19.0419.C49
Gene No.	106207	Strand	-
Start	1122	End	1313
Name	OJ000308_19.0419.C49.o1.gp	Method	AAT/GAP
Start	1122	End	1313
GI	5667165	Score	356
Exons	1122..1313		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	49988	Seq. ID	OJ000308_19.0419.C49
Gene No.	106208	Strand	-
Start	1748	End	3178
Name	OJ000308_19.0419.C49.o2.np	Method	AAT/NAP
Start	1748	End	3178
GI	4680186	Score	186
Exons	1748..2166, 2667..2730, 3128..3178		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	49989	Seq. ID	OJ000308_19.0419.C55
Gene No.	106209	Strand	
Start	4	End	355
Name	OJ000308_19.0419.C55.o1.tm	Method	TBLASTX:Maize
Start	4	End	277
GI	none	Score	109
Exons	4..207, 4..207, 5..277		

Seq. No.	49989	Seq. ID	OJ000308_19.0419.C55
Gene No.	106209	Strand	
Start	4	End	355
Name	OJ000308_19.0419.C55.o1.tw	Method	TBLASTX:Wheat
Start	11	End	355
GI	none	Score	173
Exons	11..196, 311..355		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.np	Method	AAT/NAP
Start	1	End	4694
GI	2392771	Score	1168
Exons	1..39, 480..547, 784..963, 1239..1345, 1573..1752, 2031..2116, 2260..2513, 2593..2756, 2841..3039, 3109..3183, 4673..4694		
GI Descrip.	(AC002534) putative kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.gs	Method	GENSCAN
Start	44	End	7371
GI	none	Score	.89
Exons	44..151, 466..547, 620..709, 784..870, 1239..1345, 1573..1738, 1957..2116, 2260..2513, 2593..2756, 2841..3020, 3114..3688, 3844..3979, 4523..4745, 5317..5450, 5617..5800, 6494..6561, 6636..6721, 7051..7212, 7295..7371		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.tc	Method	TBLASTX:Cress
Start	634	End	2765
GI	none	Score	101
Exons	634..723, 657..725, 768..830, 864..962, 890..961, 1241..1345, 1258..1344, 1567..1752, 1572..1751, 1980..2114, 1982..2110, 2257..2514, 2258..2515, 2577..2759, 2591..2752, 2604..2765		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o2.ts	Method	TBLASTX:Soybean
Start	634	End	1753
GI	none	Score	112
Exons	634..723, 657..716, 762..860, 776..829, 885..962, 1238..1345, 1254..1334, 1258..1344, 1567..1752, 1572..1751, 1673..1753		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o4.tm	Method	TBLASTX:Maize
Start	673	End	964
GI	none	Score	78
Exons	673..723, 673..726, 762..962, 776..961, 782..964		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.gp	Method	AAT/GAP
Start	827	End	963
GI	2310239	Score	231
Exons	827..963		
GI Descrip.	2392771/gb|AAB70034.1|AAB70034 1.0e-31 (AC002534) putative		

kinesin-like protein [Arabidopsis thaliana]

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.tm	Method	TBLASTX:Maize
Start	1238	End	2767
GI	none	Score	174
Exons	1238..1345, 1261..1344, 1588..1752, 1588..1752, 1938..2114, 1946..2110, 1994..2134, 2257..2520, 2258..2521, 2577..2765, 2591..2767		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o2.gp	Method	AAT/GAP
Start	1239	End	1345
GI	2310239	Score	166
Exons	1239..1345		
GI Descrip.	2392771/gb|AAB70034.1|AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.ts	Method	TBLASTX:Soybean
Start	1968	End	2656
GI	none	Score	164
Exons	1968..2114, 1979..2110, 2257..2520, 2258..2521, 2577..2654, 2588..2656		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o1.tw	Method	TBLASTX:Wheat
Start	2416	End	2759
GI	none	Score	115
Exons	2416..2520, 2417..2521, 2577..2759, 2591..2758		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o2.tm	Method	TBLASTX:Maize
Start	2898	End	3394
GI	none	Score	77
Exons	2898..2939, 2939..3016, 2939..3019, 2973..3038, 2979..3023, 3111..3224, 3111..3170, 3112..3228, 3113..3289, 3170..3352, 3221..3361, 3222..3368, 3223..3384, 3359..3394		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o3.gp	Method	AAT/GAP
Start	3450	End	4264
GI	6062504	Score	1180
Exons	3450..3688, 3844..4264		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o5.tm	Method	TBLASTX:Maize
Start	4592	End	6723
GI	none	Score	166
Exons	4592..4744, 4594..4743, 5284..5442, 5315..5446, 5316..5459, 5616..5693, 5619..5693, 5629..5697, 5655..5810, 5704..5802, 5705..5815, 6488..6562, 6489..6563, 6489..6563, 6490..6564, 6660..6716, 6667..6714, 6673..6723		

Seq. No.	49990	Seq. ID	OJ000308_19.0419.C60
Gene No.	106210	Strand	+
Start	1	End	7371
Name	OJ000308_19.0419.C60.o3.tm	Method	TBLASTX:Maize
Start	6782	End	7368
GI	none	Score	36
Exons	6782..6817, 6841..6864, 6971..7213, 6973..7212, 7281..7358, 7282..7368, 7285..7350		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o2.tm	Method	TBLASTX:Maize
Start	31	End	248
GI	none	Score	103
Exons	31..108, 36..107, 38..115, 101..247, 102..248, 102..248		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o1.np	Method	AAT/NAP
Start	513	End	4879
GI	4587610	Score	683
Exons	513..536, 2407..2550, 2693..2869, 3560..3634, 3730..3774, 3884..4048, 4232..4310, 4751..4879		
GI Descrip.	(AC006951) putative indole-3-glycerol phosphate synthase [Arabidopsis thaliana]		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o1.tc	Method	TBLASTX:Cress
Start	2407	End	4791
GI	none	Score	81
Exons	2407..2484, 2482..2556, 2690..2878, 2692..2871, 3560..3634, 3560..3634, 3727..3774, 3729..3770, 3878..4051, 3878..3976, 3883..4062, 4223..4309, 4229..4309, 4231..4320, 4750..4791		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o2.ts	Method	TBLASTX:Soybean
Start	2452	End	2885
GI	none	Score	157
Exons	2452..2556, 2463..2561, 2683..2868, 2690..2869, 2868..2885		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o1.tm	Method	TBLASTX:Maize
Start	3559	End	4320
GI	none	Score	118
Exons	3559..3639, 3560..3640, 3560..3640, 3725..3769, 3727..3774, 3727..3774, 3869..4033, 3878..4051, 3883..4050, 4223..4309, 4229..4309, 4231..4320, 4249..4311		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o1.gp	Method	AAT/GAP
Start	3868	End	4879
GI	5267_1.R1084	Score	601
Exons	3868..4048, 4232..4310, 4751..4879		
GI Descrip.	'4587610/gb|AAD25838.1|AC006951_17 6.0e-67 (AC006951) putative indole-3-glycerol phosphate synthase precursor [Arabidopsis thaliana]'		

Seq. No.	49991	Seq. ID	OJ000308_19.0419.C61
Gene No.	106211	Strand	+
Start	513	End	4879
Name	OJ000308_19.0419.C61.o1.ts	Method	TBLASTX:Soybean
Start	3878	End	4832
GI	none	Score	271
Exons	3878..4051, 3878..4021, 3883..4050, 4223..4309, 4231..4326, 4749..4832, 4750..4830		

Seq. No.	49992	Seq. ID	OJ000308_19.0419.C63
Gene No.	106212	Strand	+
Start	1224	End	2455
Name	OJ000308_19.0419.C63.o1.np	Method	AAT/NAP
Start	1224	End	2455
GI	3249113	Score	161
Exons	1224..1267, 1958..2236, 2362..2455		
GI Descrip.	(AC003114) Strong similarity to kinesin homolog IG002P16.12 gb|2191180 from A. thaliana BAC gb|AF007270. [Arabidopsis thaliana]		

Seq. No.	49992	Seq. ID	OJ000308_19.0419.C63
Gene No.	106212	Strand	+
Start	1224	End	2455
Name	OJ000308_19.0419.C63.o1.gs	Method	GENSCAN
Start	1316	End	2236
GI	none	Score	.97
Exons	1316..1382, 2073..2236		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106213	Strand	+
Start	6440	End	7448
Name	OJ000308_19.0419.C64.o1.gp	Method	AAT/GAP
Start	6295	End	6720
GI	3768271	Score	557
Exons	6295..6548, 6649..6720		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106213	Strand	+
Start	6440	End	7448
Name	OJ000308_19.0419.C64.o2.gs	Method	GENSCAN
Start	6440	End	7142
GI	none	Score	.61
Exons	6440..6548, 6649..6707, 6945..7142		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106213	Strand	+
Start	6440	End	7448
Name	OJ000308_19.0419.C64.o2.gp	Method	AAT/GAP
Start	6919	End	7448
GI	3768272	Score	975
Exons	6919..7448		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106214	Strand	-
Start	1	End	4638
Name	OJ000308_19.0419.C64.o1.np	Method	AAT/NAP
Start	1	End	3098
GI	7485244	Score	307
Exons	1..100, 1913..2090, 2353..2494, 2632..2754, 2866..2938, 3042..3098		
GI Descrip.	hypothetical protein A_IG002P16.15 - Arabidopsis thaliana gi|2191166|gb|AAB61052.1| (AF007270) A_IG002P16.15 gene product [Arabidopsis thaliana]		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106214	Strand	-
Start	1	End	4638
Name	OJ000308_19.0419.C64.o1.gs	Method	GENSCAN
Start	200	End	4638
GI	none	Score	.67
Exons	200..547, 1237..1300, 1468..1614, 1913..2122, 2325..2494, 2632..2754, 2866..2938, 3042..3409, 3632..3965, 4222..4638		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-
Start	7576	End	11955
Name	OJ000308_19.0419.C64.o3.tm	Method	TBLASTX:Maize
Start	363	End	1496
GI	none	Score	165
Exons	363..545, 363..554, 365..556, 1229..1303, 1242..1307, 1243..1308, 1461..1496		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-
Start	7576	End	11955
Name	OJ000308_19.0419.C64.o1.tc	Method	TBLASTX:Cress
Start	1513	End	2941
GI	none	Score	77
Exons	1513..1593, 1910..2038, 1910..2038, 2325..2492, 2633..2746, 2637..2747, 2867..2941, 2868..2939		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-

Start	7576	End	11955
Name	OJ000308_19.0419.C64.o1.tm	Method	TBLASTX:Maize
Start	2633	End	3153
GI	none	Score	175
Exons	2633..2746, 2634..2747, 2637..2756, 2639..2755, 2867..2941, 2868..2939, 2870..2941, 3042..3065, 3043..3099, 3100..3153		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-
Start	7576	End	11955
Name	OJ000308_19.0419.C64.o3.gp	Method	AAT/GAP
Start	7576	End	8936
GI	none	Score	1118
Exons	7576..8028, 8788..8936		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-
Start	7576	End	11955
Name	OJ000308_19.0419.C64.o3.gs	Method	GENSCAN
Start	7920	End	11955
GI	none	Score	.87
Exons	7920..8028, 8788..9709, 9748..9964, 10238..10923, 11937..11955		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-
Start	7576	End	11955
Name	OJ000308_19.0419.C64.o2.tm	Method	TBLASTX:Maize
Start	10460	End	10756
GI	none	Score	71
Exons	10460..10534, 10461..10583, 10560..10751, 10575..10694, 10586..10756, 10588..10755		

Seq. No.	49993	Seq. ID	OJ000308_19.0419.C64
Gene No.	106215	Strand	-
Start	7576	End	11955
Name	OJ000308_19.0419.C64.o4.gp	Method	AAT/GAP
Start	10631	End	10838
GI	568956	Score	326
Exons	10631..10838		

Seq. No.	49994	Seq. ID	OJ000308_19.0419.C65
Gene No.	106216	Strand	+
Start	1043	End	16168
Name	OJ000308_19.0419.C65.o1.np	Method	AAT/NAP
Start	1043	End	16168
GI	7294399	Score	93
Exons	1043..1067, 4014..4094, 8229..8298, 9946..9989, 16080..16168		
GI Descrip.	(AE003535) CG13482 gene product [Drosophila melanogaster]		

Seq. No.	49994	Seq. ID	OJ000308_19.0419.C65
Gene No.	106216	Strand	+
Start	1043	End	16168
Name	OJ000308_19.0419.C65.o1.gs	Method	GENSCAN
Start	1464	End	1593
GI	none	Score	.58
Exons	1464..1593		

Seq. No.	49995	Seq. ID	OJ000308_19.0419.C66
Gene No.	106217	Strand	+
Start	122	End	443
Name	OJ000308_19.0419.C66.o1.gs	Method	GENSCAN
Start	122	End	443
GI	none	Score	.59
Exons	122..207, 407..443		

Seq. No.	49995	Seq. ID	OJ000308_19.0419.C66
Gene No.	106218	Strand	-
Start	1504	End	3048
Name	OJ000308_19.0419.C66.o2.gs	Method	GENSCAN
Start	1504	End	3048
GI	none	Score	.69
Exons	1504..2312, 2607..2744, 2922..3048		

Seq. No.	49995	Seq. ID	OJ000308_19.0419.C66
Gene No.	106218	Strand	-
Start	1504	End	3048
Name	OJ000308_19.0419.C66.o1.tm	Method	TBLASTX:Maize
Start	1563	End	2335
GI	none	Score	59
Exons	1563..1661, 1711..2328, 1711..2328, 1718..2335, 1718..2332		

Seq. No.	49995	Seq. ID	OJ000308_19.0419.C66
Gene No.	106218	Strand	-
Start	1504	End	3048
Name	OJ000308_19.0419.C66.o1.gp	Method	AAT/GAP
Start	1621	End	2091
GI	none	Score	798
Exons	1621..2091		

Seq. No.	49995	Seq. ID	OJ000308_19.0419.C66
Gene No.	106218	Strand	-
Start	1504	End	3048
Name	OJ000308_19.0419.C66.o2.gp	Method	AAT/GAP
Start	2862	End	2921
GI	2311279	Score	73
Exons	2862..2921		

Seq. No.	49996	Seq. ID	OJ000308_19.0419.C69
Gene No.	106219	Strand	+
Start	1	End	1109
Name	OJ000308_19.0419.C69.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	3482919	Score	120
Exons	1..33, 653..725, 894..1109		
GI Descrip.	(AC003970) Putative protein kinase [Arabidopsis thaliana]		

Seq. No.	49996	Seq. ID	OJ000308_19.0419.C69
Gene No.	106219	Strand	+
Start	1	End	1109
Name	OJ000308_19.0419.C69.o1.gs	Method	GENSCAN
Start	570	End	1003
GI	none	Score	.58
Exons	570..725, 894..1003		

Seq. No.	49997	Seq. ID	OJ000208_13.0417.C3
Gene No.	106220	Strand	+
Start	1	End	4811
Name	OJ000208_13.0417.C3.o1.np	Method	AAT/NAP
Start	1	End	4811
GI	3935138	Score	281
Exons	1..27, 285..370, 592..827, 964..1053, 1180..1279, 1979..2148, 4745..4811		
GI Descrip.	(AC005106) T25N20.2 [Arabidopsis thaliana]		

Seq. No.	49997	Seq. ID	OJ000208_13.0417.C3
Gene No.	106220	Strand	+
Start	1	End	4811
Name	OJ000208_13.0417.C3.o1.gs	Method	GENSCAN
Start	285	End	2534
GI	none	Score	.71
Exons	285..370, 592..830, 967..1127, 1495..1580, 1979..2174, 2410..2534		

Seq. No.	49997	Seq. ID	OJ000208_13.0417.C3
Gene No.	106220	Strand	+
Start	1	End	4811
Name	OJ000208_13.0417.C3.o1.gp	Method	AAT/GAP
Start	1991	End	2549
GI	2311384	Score	796
Exons	1991..2174, 2280..2549		

Seq. No.	49997	Seq. ID	OJ000208_13.0417.C3
Gene No.	106221	Strand	-
Start	3007	End	4173
Name	OJ000208_13.0417.C3.o1.tm	Method	TBLASTX:Maize
Start	589	End	1020
GI	none	Score	313
Exons	589..855, 589..837, 591..839, 944..1018, 979..1020		

Seq. No.	49997	Seq. ID	OJ000208_13.0417.C3
Gene No.	106221	Strand	-
Start	3007	End	4173
Name	OJ000208_13.0417.C3.o2.gs	Method	GENSCAN
Start	3007	End	4173
GI	none	Score	.76
Exons	3007..3077, 3601..4029, 4119..4173		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106222	Strand	+
Start	4250	End	6028
Name	OJ000208_13.0417.C6.o1.gp	Method	AAT/GAP
Start	4250	End	6028
GI	6025022	Score	426
Exons	4250..4397, 5767..5848, 5983..6028		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106223	Strand	+
Start	15405	End	15462
Name	OJ000208_13.0417.C6.o2.gp	Method	AAT/GAP
Start	15405	End	15462
GI	2312838	Score	75

Exons	15405..15462		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106224	Strand	-
Start	1	End	11939
Name	OJ000208_13.0417.C6.o1.np	Method	AAT/NAP
Start	1	End	9719
GI	4680501	Score	259
Exons	1..281, 318..714, 9575..9719		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106224	Strand	-
Start	1	End	11939
Name	OJ000208_13.0417.C6.o1.gs	Method	GENSCAN
Start	11	End	11939
GI	none	Score	.59
Exons	11..439, 492..771, 1623..1689, 2071..2154, 3095..3293, 4040..4159, 4194..4389, 4687..4882, 5098..5252, 6050..6227, 7110..7133, 8159..8298, 9601..9739, 9768..9871, 11690..11770, 11852..11939		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	15154
GI	none	Score	73
Exons	1..75, 103..207, 103..258, 110..223, 343..450, 557..640, 659..730, 14096..14368, 14235..14315, 14236..14334, 14387..14467, 14394..14423, 14516..14671, 14517..14606, 14996..15091, 15083..15154		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	14671
GI	none	Score	124
Exons	1..63, 103..258, 110..226, 343..450, 14094..14306, 14096..14368, 14387..14467, 14516..14671, 14517..14606		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o1.tw	Method	TBLASTX:Wheat
Start	105	End	14800
GI	none	Score	118
Exons	105..170, 115..255, 116..217, 343..435, 13099..13218, 14516..14653, 14517..14606, 14681..14800		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o2.gs	Method	GENSCAN

Start	14084	End	15199
GI	none	Score	.9
Exons	14084..15199		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o2.np	Method	AAT/NAP
Start	14093	End	15188
GI	4680501	Score	493
Exons	14093..15188		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o3.np	Method	AAT/NAP
Start	14096	End	15720
GI	4680341	Score	400
Exons	14096..14925, 15697..15720		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	49998	Seq. ID	OJ000208_13.0417.C6
Gene No.	106225	Strand	-
Start	14084	End	15720
Name	OJ000208_13.0417.C6.o1.tc	Method	TBLASTX:Cress
Start	14108	End	14467
GI	none	Score	72
Exons	14108..14368, 14130..14306, 14390..14458, 14390..14467		

Seq. No.	49999	Seq. ID	OJ000208_13.0417.C7
Gene No.	106226	Strand	+
Start	807	End	1759
Name	OJ000208_13.0417.C7.o1.gs	Method	GENSCAN
Start	807	End	1759
GI	none	Score	.49
Exons	807..882, 1728..1759		

Seq. No.	50000	Seq. ID	OJ000208_13.0417.C8
Gene No.	106227	Strand	+
Start	748	End	1022
Name	OJ000208_13.0417.C8.o1.gp	Method	AAT/GAP
Start	748	End	1022
GI	LIB3432-042-P2-K1-A8	Score	449
Exons	748..1022		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	50000	Seq. ID	OJ000208_13.0417.C8
Gene No.	106228	Strand	+
Start	1646	End	2594
Name	OJ000208_13.0417.C8.o2.gp	Method	AAT/GAP
Start	1646	End	2594
GI	2442622	Score	360
Exons	1646..1759, 1935..1997, 2523..2594		

Seq. No.	50001	Seq. ID	OJ000208_13.0417.C9

Gene No.	106229	Strand	+
Start	413	End	757
Name	OJ000208_13.0417.C9.o1.gp	Method	AAT/GAP
Start	413	End	757
GI	3762781	Score	280
Exons	413..562, 721..757		

Seq. No.	50002	Seq. ID	OJ000208_13.0417.C10
Gene No.	106230	Strand	+
Start	538	End	886
Name	OJ000208_13.0417.C10.o1.gp	Method	AAT/GAP
Start	538	End	886
GI	47680_1.R1084	Score	583
Exons	538..886		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	50002	Seq. ID	OJ000208_13.0417.C10
Gene No.	106231	Strand	+
Start	10856	End	11749
Name	OJ000208_13.0417.C10.o3.gs	Method	GENSCAN
Start	10856	End	11749
GI	none	Score	.95
Exons	10856..10996, 11687..11749		

Seq. No.	50002	Seq. ID	OJ000208_13.0417.C10
Gene No.	106232	Strand	+
Start	16875	End	18835
Name	OJ000208_13.0417.C10.o1.np	Method	AAT/NAP
Start	16875	End	18835
GI	7340909	Score	148
Exons	16875..16936, 18194..18542, 18726..18835		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	50002	Seq. ID	OJ000208_13.0417.C10
Gene No.	106233	Strand	-
Start	3737	End	10147
Name	OJ000208_13.0417.C10.o2.gs	Method	GENSCAN
Start	3737	End	10147
GI	none	Score	.54
Exons	3737..3941, 6223..6356, 7358..7639, 7686..8054, 8703..8826, 10146..10147		

Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106234	Strand	+
Start	541	End	1049
Name	OJ000208_13.0417.C11.o1.gs	Method	GENSCAN
Start	541	End	1049
GI	none	Score	.51
Exons	541..727, 925..1049		

Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106235	Strand	+
Start	2048	End	2431
Name	OJ000208_13.0417.C11.o1.gp	Method	AAT/GAP
Start	2048	End	2431
GI	none	Score	477

Exons	2048..2431		
Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106236	Strand	-
Start	537	End	4808
Name	OJ000208_13.0417.C11.o1.np	Method	AAT/NAP
Start	537	End	4808
GI	5091616	Score	643
Exons	537..583, 2487..2573, 2675..2766, 2886..2959, 3035..3151, 3386..3489, 3567..3636, 3726..3835, 4082..4187, 4578..4808		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		
Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106236	Strand	-
Start	537	End	4808
Name	OJ000208_13.0417.C11.o2.gs	Method	GENSCAN
Start	2395	End	4506
GI	none	Score	.82
Exons	2395..2614, 2883..2959, 3035..3151, 3386..3536, 3542..3636, 3726..3835, 4082..4169, 4244..4334, 4414..4506		
Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106236	Strand	-
Start	537	End	4808
Name	OJ000208_13.0417.C11.o2.tm	Method	TBLASTX:Maize
Start	2463	End	2751
GI	none	Score	179
Exons	2463..2615, 2464..2613, 2476..2643, 2712..2750, 2713..2751		
Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106236	Strand	-
Start	537	End	4808
Name	OJ000208_13.0417.C11.o3.tm	Method	TBLASTX:Maize
Start	3372	End	3824
GI	none	Score	64
Exons	3372..3470, 3383..3487, 3389..3484, 3568..3636, 3569..3628, 3723..3824, 3726..3797		
Seq. No.	50003	Seq. ID	OJ000208_13.0417.C11
Gene No.	106236	Strand	-
Start	537	End	4808
Name	OJ000208_13.0417.C11.o1.tm	Method	TBLASTX:Maize
Start	4095	End	4808
GI	none	Score	79
Exons	4095..4205, 4095..4184, 4118..4189, 4221..4295, 4224..4331, 4225..4332, 4229..4336, 4367..4501, 4381..4527, 4405..4500, 4407..4520, 4418..4531, 4597..4806, 4599..4808		
Seq. No.	50004	Seq. ID	OJ000208_13.0417.C12
Gene No.	106237	Strand	+
Start	33	End	663
Name	OJ000208_13.0417.C12.o1.gs	Method	GENSCAN
Start	33	End	663
GI	none	Score	.97
Exons	33..193, 399..663		
Seq. No.	50004	Seq. ID	OJ000208_13.0417.C12

Gene No.	106238	Strand	+
Start	1470	End	3660
Name	OJ000208_13.0417.C12.o2.gs	Method	GENSCAN
Start	1470	End	3660
GI	none	Score	.66
Exons	1470..1501, 1871..2053, 2153..2275, 2339..2490, 3488..3660		

Seq. No.	50004	Seq. ID	OJ000208_13.0417.C12
Gene No.	106239	Strand	-
Start	388	End	721
Name	OJ000208_13.0417.C12.o1.gp	Method	AAT/GAP
Start	388	End	721
GI	none	Score	614
Exons	388..721		

Seq. No.	50004	Seq. ID	OJ000208_13.0417.C12
Gene No.	106240	Strand	-
Start	3994	End	7757
Name	OJ000208_13.0417.C12.o3.gs	Method	GENSCAN
Start	3994	End	7601
GI	none	Score	.89
Exons	3994..4094, 4672..5015, 5112..5189, 5268..5359, 5459..5555, 6048..6076, 6555..6716, 6916..6996, 7091..7249, 7329..7445, 7533..7601		

Seq. No.	50004	Seq. ID	OJ000208_13.0417.C12
Gene No.	106240	Strand	-
Start	3994	End	7757
Name	OJ000208_13.0417.C12.o1.tm	Method	TBLASTX:Maize
Start	4652	End	5180
GI	none	Score	42
Exons	4652..4675, 4790..4924, 4793..4825, 4794..4823, 4805..4951, 4824..4850, 4844..5017, 4946..5011, 4947..5018, 4950..5018, 5101..5178, 5111..5179, 5111..5179, 5112..5180		

Seq. No.	50004	Seq. ID	OJ000208_13.0417.C12
Gene No.	106240	Strand	-
Start	3994	End	7757
Name	OJ000208_13.0417.C12.o1.np	Method	AAT/NAP
Start	4793	End	7757
GI	6751700	Score	667
Exons	4793..4900, 4936..5015, 5112..5189, 5268..5359, 6555..6716, 6916..6996, 7091..7249, 7329..7445, 7533..7601, 7688..7757		
GI Descrip.	(AC018908) putative DNA helicase [Arabidopsis thaliana]		

Seq. No.	50005	Seq. ID	OJ000208_13.0417.C13
Gene No.	106241	Strand	+
Start	264	End	455
Name	OJ000208_13.0417.C13.o1.gs	Method	GENSCAN
Start	264	End	455
GI	none	Score	.67
Exons	264..455		

Seq. No.	50005	Seq. ID	OJ000208_13.0417.C13
Gene No.	106242	Strand	-
Start	1	End	4167
Name	OJ000208_13.0417.C13.o1.np	Method	AAT/NAP

Start	1	End	4167
GI	1931649	Score	831
Exons	1..54, 1394..1529, 1606..1756, 1830..1950, 2242..2369, 2443..2529, 3129..3263, 4144..4167		
GI Descrip.	(U95973) DNA helicase isolog [Arabidopsis thaliana]		

Seq. No.	50005	Seq. ID	OJ000208_13.0417.C13
Gene No.	106242	Strand	-
Start	1	End	4167
Name	OJ000208_13.0417.C13.o2.gs	Method	GENSCAN
Start	1382	End	3712
GI	none	Score	.75
Exons	1382..1529, 1606..1736, 1830..1950, 2242..2369, 3129..3260, 3340..3712		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106243	Strand	+
Start	2892	End	13174
Name	OJ000208_13.0417.C16.o1.np	Method	AAT/NAP
Start	2892	End	13171
GI	7228457	Score	7596
Exons	2892..2950, 4994..6586, 6650..6952, 9940..10472, 10595..11554, 11621..13171		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106243	Strand	+
Start	2892	End	13174
Name	OJ000208_13.0417.C16.o2.gs	Method	GENSCAN
Start	5060	End	13174
GI	none	Score	.52
Exons	5060..5700, 5702..6332, 6392..6586, 6650..6952, 7549..7719, 7740..7921, 7995..8077, 10034..10328, 10441..11772, 11929..13174		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106243	Strand	+
Start	2892	End	13174
Name	OJ000208_13.0417.C16.o1.gp	Method	AAT/GAP
Start	9644	End	9816
GI	LIB3433-026-P1-K1-C1	Score	242
Exons	9644..9816		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106244	Strand	+
Start	15185	End	17048
Name	OJ000208_13.0417.C16.o2.np	Method	AAT/NAP
Start	15185	End	17048
GI	6907087	Score	1026
Exons	15185..15558, 15735..16406, 16947..17048		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106245	Strand	+
Start	17514	End	17896
Name	OJ000208_13.0417.C16.o2.gp	Method	AAT/GAP
Start	17514	End	17896
GI	uC-osflcyp033a04b1	Score	668
Exons	17514..17896		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106246	Strand	+
Start	29682	End	32215
Name	OJ000208_13.0417.C16.o7.gs	Method	GENSCAN
Start	29682	End	32215
GI	none	Score	.96
Exons	29682..30052, 30154..31066, 31093..31785, 31865..32215		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106246	Strand	+
Start	29682	End	32215
Name	OJ000208_13.0417.C16.o6.np	Method	AAT/NAP
Start	30566	End	32212
GI	4836403	Score	460
Exons	30566..30616, 30662..30751, 31093..31372, 31448..31785, 31865..31948, 32044..32212		
GI Descrip.	(AF117723) seed maturation protein PM27 [Glycine max]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106247	Strand	-
Start	13795	End	16717
Name	OJ000208_13.0417.C16.o3.gs	Method	GENSCAN
Start	13795	End	16717
GI	none	Score	.55
Exons	13795..13992, 14038..14199, 14257..14457, 15629..15958, 15966..16666, 16684..16717		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106248	Strand	-
Start	16796	End	21993
Name	OJ000208_13.0417.C16.o4.np	Method	AAT/NAP
Start	16796	End	21993
GI	6907089	Score	1860
Exons	16796..16889, 16961..17071, 18603..19728, 19829..20388, 21068..21198, 21965..21993		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106248	Strand	-
Start	16796	End	21993
Name	OJ000208_13.0417.C16.o4.gs	Method	GENSCAN
Start	16941	End	17472
GI	none	Score	.94
Exons	16941..17047, 17415..17472		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106248	Strand	-

Start	16796	End	21993
Name	OJ000208_13.0417.C16.o3.np	Method	AAT/NAP
Start	17443	End	19391
GI	4680186	Score	264
Exons	17443..17676, 19052..19391		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106248	Strand	-
Start	16796	End	21993
Name	OJ000208_13.0417.C16.o5.gs	Method	GENSCAN
Start	18558	End	21061
GI	none	Score	.46
Exons	18558..19728, 19829..19974, 19989..20397, 21021..21061		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106249	Strand	-
Start	23941	End	30001
Name	OJ000208_13.0417.C16.o6.gs	Method	GENSCAN
Start	23941	End	29392
GI	none	Score	.48
Exons	23941..24148, 24383..24595, 26631..27187, 27295..27455, 27778..27886, 28011..28219, 28316..28391, 28477..28596, 28747..28996, 29316..29392		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106249	Strand	-
Start	23941	End	30001
Name	OJ000208_13.0417.C16.o5.np	Method	AAT/NAP
Start	26265	End	30001
GI	7020375	Score	922
Exons	26265..26317, 26875..27187, 27295..27455, 27548..27640, 27778..27886, 28011..28219, 28316..28391, 28477..28596, 28747..28996, 29316..29407, 29676..29714, 29807..30001		
GI Descrip.	(AK000349) unnamed protein product [Homo sapiens]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106249	Strand	-
Start	23941	End	30001
Name	OJ000208_13.0417.C16.o3.gp	Method	AAT/GAP
Start	26403	End	27376
GI	27310_1.R1084	Score	1646
Exons	26403..27187, 27295..27376		
GI Descrip.	'5459148/emb|CAB50634.1| 4.0e-21 (AJ248288) hypothetical protein [Pyrococcus abyssi]'		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106249	Strand	-
Start	23941	End	30001
Name	OJ000208_13.0417.C16.o4.gp	Method	AAT/GAP
Start	27721	End	28384
GI	4715311	Score	708
Exons	27721..27886, 28011..28219, 28316..28384		
GI Descrip.	5459148/emb|CAB50634.1| 4.0e-21 (AJ248288) hypothetical protein [Pyrococcus abyssi]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16

Gene No.	106250	Strand	-
Start	35678	End	38226
Name	OJ000208_13.0417.C16.o8.gs	Method	GENSCAN
Start	35678	End	38226
GI	none	Score	.95
Exons	35678..36588, 38080..38226		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106250	Strand	-
Start	35678	End	38226
Name	OJ000208_13.0417.C16.o7.np	Method	AAT/NAP
Start	35737	End	36463
GI	7487811	Score	278
Exons	35737..35802, 35843..36044, 36084..36463		
GI Descrip.	hypothetical protein T8K22.16 - Arabidopsis thaliana gi|3184285|gb|AAC18932.1| (AC004136) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o7.tw	Method	TBLASTX:Wheat
Start	5000	End	5293
GI	none	Score	61
Exons	5000..5053, 5020..5259, 5036..5293		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o2.tw	Method	TBLASTX:Wheat
Start	6008	End	6778
GI	none	Score	289
Exons	6008..6181, 6009..6347, 6203..6358, 6307..6441, 6337..6462, 6338..6493, 6581..6778, 6581..6763, 6634..6777		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o8.tw	Method	TBLASTX:Wheat
Start	6779	End	9999
GI	none	Score	212
Exons	6779..6955, 6781..6957, 6783..6956, 9934..9999		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o6.tm	Method	TBLASTX:Maize
Start	6788	End	10131
GI	none	Score	169
Exons	6788..6955, 6823..6951, 9917..10120, 9934..10131, 9937..10131		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o1.tw	Method	TBLASTX:Wheat
Start	10000	End	10419
GI	none	Score	452

Exons	10000..10419, 10137..10247, 10308..10406		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o5.tm	Method	TBLASTX:Maize
Start	10159	End	10543
GI	none	Score	275
Exons	10159..10437, 10193..10375, 10302..10436, 10349..10543, 10396..10524		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o3.ts	Method	TBLASTX:Soybean
Start	10264	End	10666
GI	none	Score	147
Exons	10264..10440, 10436..10666		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o6.tw	Method	TBLASTX:Wheat
Start	10430	End	10717
GI	none	Score	242
Exons	10430..10717, 10435..10524, 10556..10717		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o4.tw	Method	TBLASTX:Wheat
Start	11072	End	11533
GI	none	Score	234
Exons	11072..11323, 11099..11323, 11164..11337, 11384..11533, 11393..11518, 11395..11532		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o5.ts	Method	TBLASTX:Soybean
Start	11222	End	11788
GI	5666795	Score	68
Exons	11222..11320, 11396..11533, 11573..11788		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o9.tw	Method	TBLASTX:Wheat
Start	11536	End	11848
GI	none	Score	200
Exons	11536..11712, 11573..11848		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o3.tm	Method	TBLASTX:Maize

Start	12041	End	12384
GI	none	Score	371
Exons	12041..12364, 12070..12351, 12268..12384		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o3.tw	Method	TBLASTX:Wheat
Start	12178	End	12579
GI	none	Score	373
Exons	12178..12579, 12179..12559		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o5.tw	Method	TBLASTX:Wheat
Start	12583	End	13162
GI	none	Score	40
Exons	12583..12624, 12584..12850, 12586..12843, 12608..12976, 12700..12870, 13036..13158, 13037..13162		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o1.tm	Method	TBLASTX:Maize
Start	26535	End	27899
GI	none	Score	140
Exons	26535..26567, 26630..26866, 26630..26866, 26857..27183, 26869..27078, 26873..27187, 27039..27200, 27057..27188, 27127..27189, 27293..27457, 27304..27456, 27351..27458, 27544..27612, 27546..27653, 27549..27647, 27771..27887, 27773..27895, 27776..27895, 27783..27899		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o1.ts	Method	TBLASTX:Soybean
Start	27065	End	27570
GI	none	Score	149
Exons	27065..27187, 27066..27188, 27078..27188, 27293..27457, 27294..27440, 27295..27459, 27304..27456, 27544..27570, 27546..27569		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o2.ts	Method	TBLASTX:Soybean
Start	27573	End	28215
GI	none	Score	161
Exons	27573..27653, 27771..27887, 27771..27884, 27773..27886, 27995..28150, 28011..28214, 28012..28215		

Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o4.tm	Method	TBLASTX:Maize
Start	28011	End	28387

GI	none	Score	234
Exons	28011..28202, 28012..28200, 28293..28340, 28294..28341, 28332..28373, 28336..28374, 28367..28387, 28369..28386		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o2.tm	Method	TBLASTX:Maize
Start	28489	End	29923
GI	none	Score	172
Exons	28489..28599, 28490..28597, 28741..28995, 28745..28999, 28836..29003, 29313..29408, 29313..29408, 29315..29410, 29317..29409, 29317..29415, 29659..29739, 29673..29717, 29807..29866, 29808..29864, 29873..29923		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o4.ts	Method	TBLASTX:Soybean
Start	28852	End	29717
GI	none	Score	141
Exons	28852..28995, 28862..29014, 29315..29410, 29316..29408, 29673..29717		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o7.ts	Method	TBLASTX:Soybean
Start	30563	End	31662
GI	none	Score	63
Exons	30563..30622, 31447..31632, 31449..31640, 31492..31662		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o6.ts	Method	TBLASTX:Soybean
Start	35864	End	36041
GI	none	Score	133
Exons	35864..36028, 35874..36041, 35970..36041		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o7.tm	Method	TBLASTX:Maize
Start	36318	End	36464
GI	none	Score	114
Exons	36318..36437, 36329..36391, 36386..36463, 36390..36464		
Seq. No.	50006	Seq. ID	OJ000208_13.0417.C16
Gene No.	106251	Strand	-
Start	38852	End	38932
Name	OJ000208_13.0417.C16.o8.np	Method	AAT/NAP
Start	38852	End	38932
GI	7523512	Score	134
Exons	38852..38932		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50007	Seq. ID	OJ000208_13.0417.C17
Gene No.	106252	Strand	+
Start	1	End	931
Name	OJ000208_13.0417.C17.o1.np	Method	AAT/NAP
Start	1	End	471
GI	5042454	Score	201
Exons	1..181, 421..471		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	50007	Seq. ID	OJ000208_13.0417.C17
Gene No.	106252	Strand	+
Start	1	End	931
Name	OJ000208_13.0417.C17.o1.gs	Method	GENSCAN
Start	92	End	931
GI	none	Score	.96
Exons	92..204, 417..588, 905..931		

Seq. No.	50008	Seq. ID	OJ000208_13.0417.C21
Gene No.	106253	Strand	-
Start	1593	End	1969
Name	OJ000208_13.0417.C21.o1.gs	Method	GENSCAN
Start	1593	End	1969
GI	none	Score	.68
Exons	1593..1969		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o1.np	Method	AAT/NAP
Start	1	End	1264
GI	7485805	Score	892
Exons	1..1264		
GI Descrip.	hypothetical protein F19I3.2 - Arabidopsis thaliana gi|3033375|gb|AAC12819.1| (AC004238) putative berberine bridge enzyme [Arabidopsis thaliana]		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o2.np	Method	AAT/NAP
Start	1	End	1294
GI	7484602	Score	621
Exons	1..1294		
GI Descrip.	probable reticuline oxidase (EC 1.5.3.9) - opium poppy gi|3282517|gb|AAC61839.1| (AF025430) berberine bridge enzyme [Papaver somniferum]		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o2.tc	Method	TBLASTX:Cress
Start	95	End	529
GI	none	Score	48
Exons	95..133, 146..448, 148..228, 467..529		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+

Start	1	End	1300
Name	OJ000208_13.0417.C22.o2.ts	Method	TBLASTX:Soybean
Start	95	End	430
GI	none	Score	41
Exons	95..133, 143..430, 151..210, 313..417		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o1.gs	Method	GENSCAN
Start	215	End	1300
GI	none	Score	.51
Exons	215..1300		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o1.tm	Method	TBLASTX:Maize
Start	452	End	1261
GI	none	Score	61
Exons	452..523, 470..529, 587..709, 587..703, 746..988, 1022..1117, 1022..1108, 1039..1122, 1097..1261, 1132..1260		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o1.tc	Method	TBLASTX:Cress
Start	581	End	1258
GI	none	Score	113
Exons	581..751, 770..979, 1016..1117, 1045..1116, 1126..1254, 1133..1258		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o1.ts	Method	TBLASTX:Soybean
Start	647	End	1258
GI	none	Score	221
Exons	647..979, 1013..1258, 1022..1249, 1045..1251		

Seq. No.	50009	Seq. ID	OJ000208_13.0417.C22
Gene No.	106254	Strand	+
Start	1	End	1300
Name	OJ000208_13.0417.C22.o1.tw	Method	TBLASTX:Wheat
Start	749	End	1180
GI	none	Score	133
Exons	749..979, 1016..1117, 1016..1108, 1051..1128, 1097..1180, 1147..1176		

Seq. No.	50010	Seq. ID	OJ000208_13.0417.C25
Gene No.	106255	Strand	+
Start	1	End	729
Name	OJ000208_13.0417.C25.o1.np	Method	AAT/NAP
Start	1	End	729
GI	7434281	Score	90
Exons	1..61, 588..729		
GI Descrip.	probable shaggy-like protein kinase etha (EC 2.7.1.-) - rice		

gi|2182029|emb|CAA73848.1| (Y13437) shaggy-like kinase etha (OSKetha) [Oryza sativa]

Seq. No.	50010	Seq. ID	OJ000208_13.0417.C25
Gene No.	106256	Strand	-
Start	566	End	671
Name	OJ000208_13.0417.C25.o1.gs	Method	GENSCAN
Start	566	End	671
GI	none	Score	.44
Exons	566..671		

Seq. No.	50011	Seq. ID	OJ000208_13.0417.C26
Gene No.	106257	Strand	+
Start	171	End	1187
Name	OJ000208_13.0417.C26.o1.gs	Method	GENSCAN
Start	171	End	1044
GI	none	Score	.4
Exons	171..243, 910..1044		

Seq. No.	50011	Seq. ID	OJ000208_13.0417.C26
Gene No.	106257	Strand	+
Start	171	End	1187
Name	OJ000208_13.0417.C26.o1.np	Method	AAT/NAP
Start	612	End	1187
GI	7228450	Score	254
Exons	612..693, 833..972, 1075..1187		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	50012	Seq. ID	OJ000208_13.0417.C29
Gene No.	106258	Strand	+
Start	899	End	1212
Name	OJ000208_13.0417.C29.o1.gp	Method	AAT/GAP
Start	899	End	1212
GI	72524_1.R1084	Score	394
Exons	899..1212		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	50012	Seq. ID	OJ000208_13.0417.C29
Gene No.	106259	Strand	+
Start	1159	End	2870
Name	OJ000208_13.0417.C29.o1.np	Method	AAT/NAP
Start	1159	End	2870
GI	7106512	Score	1050
Exons	1159..1218, 1292..1479, 1548..1754, 2010..2870		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50012	Seq. ID	OJ000208_13.0417.C29
Gene No.	106259	Strand	+
Start	1159	End	2870
Name	OJ000208_13.0417.C29.o1.gs	Method	GENSCAN
Start	1292	End	2650
GI	none	Score	.66
Exons	1292..1352, 1626..1750, 1976..2650		

Seq. No.	50013	Seq. ID	OJ000208_13.0417.C30

Gene No.	106260	Strand	+
Start	382	End	971
Name	OJ000208_13.0417.C30.o1.np	Method	AAT/NAP
Start	382	End	971
GI	7106512	Score	800
Exons	382..971		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50013	Seq. ID	OJ000208_13.0417.C30
Gene No.	106260	Strand	+
Start	382	End	971
Name	OJ000208_13.0417.C30.o1.gs	Method	GENSCAN
Start	443	End	939
GI	none	Score	.89
Exons	443..939		

Seq. No.	50014	Seq. ID	OJ000208_13.0417.C32
Gene No.	106261	Strand	+
Start	1	End	431
Name	OJ000208_13.0417.C32.o1.gp	Method	AAT/GAP
Start	1	End	431
GI	1257_1.R1084	Score	626
Exons	1..104, 200..431		
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 3.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	50014	Seq. ID	OJ000208_13.0417.C32
Gene No.	106261	Strand	+
Start	1	End	431
Name	OJ000208_13.0417.C32.o1.gs	Method	GENSCAN
Start	27	End	104
GI	none	Score	.92
Exons	27..104		

Seq. No.	50015	Seq. ID	OJ000208_13.0417.C37
Gene No.	106262	Strand	+
Start	1	End	1034
Name	OJ000208_13.0417.C37.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	7228457	Score	381
Exons	1..326, 388..477, 972..1034		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50015	Seq. ID	OJ000208_13.0417.C37
Gene No.	106263	Strand	-
Start	460	End	1034
Name	OJ000208_13.0417.C37.o1.tw	Method	TBLASTX:Wheat
Start	1	End	495
GI	none	Score	221
Exons	1..207, 2..253, 361..477, 369..479, 373..495		

Seq. No.	50015	Seq. ID	OJ000208_13.0417.C37
Gene No.	106263	Strand	-
Start	460	End	1034
Name	OJ000208_13.0417.C37.o2.np	Method	AAT/NAP
Start	460	End	1034
GI	7228450	Score	214
Exons	460..575, 678..797, 937..1034		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	50016	Seq. ID	OJ000208_13.0417.C38
Gene No.	106264	Strand	-
Start	206	End	305
Name	OJ000208_13.0417.C38.o1.gs	Method	GENSCAN
Start	206	End	305
GI	none	Score	.73
Exons	206..305		

Seq. No.	50017	Seq. ID	OJ000208_13.0417.C39
Gene No.	106265	Strand	-
Start	1	End	140
Name	OJ000208_13.0417.C39.o1.np	Method	AAT/NAP
Start	1	End	140
GI	6598575	Score	89
Exons	1..140		
GI Descrip.	(AC006228) F5J5.1 [Arabidopsis thaliana]		

Seq. No.	50018	Seq. ID	OJ000208_13.0417.C40
Gene No.	106266	Strand	+
Start	757	End	1485
Name	OJ000208_13.0417.C40.o1.np	Method	AAT/NAP
Start	757	End	1482
GI	5295971	Score	479
Exons	757..1177, 1256..1482		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	50018	Seq. ID	OJ000208_13.0417.C40
Gene No.	106266	Strand	+
Start	757	End	1485
Name	OJ000208_13.0417.C40.o1.tm	Method	TBLASTX:Maize
Start	1096	End	1485
GI	none	Score	39
Exons	1096..1158, 1189..1485, 1205..1378, 1246..1485		

Seq. No.	50019	Seq. ID	OJ000208_13.0417.C41
Gene No.	106267	Strand	-
Start	1	End	630
Name	OJ000208_13.0417.C41.o1.np	Method	AAT/NAP
Start	1	End	620
GI	1172817	Score	315
Exons	1..23, 402..620		
GI Descrip.	60S RIBOSOMAL PROTEIN L11B (L16B) gi|550547|emb|CAA57396| (X81800) ribosomal protein L16 [Arabidopsis thaliana] gi|4539392|emb|CAB37458.1| (AL035526) ribosomal protein L11, cytosolic [Arabidopsis thaliana]		

Seq. No.	50019	Seq. ID	OJ000208_13.0417.C41
Gene No.	106267	Strand	-
Start	1	End	630
Name	OJ000208_13.0417.C41.o1.tm	Method	TBLASTX:Maize
Start	404	End	628
GI	none	Score	245
Exons	404..484, 415..627, 422..628,	424..618,	566..625

Seq. No.	50019	Seq. ID	OJ000208_13.0417.C41
Gene No.	106267	Strand	-
Start	1	End	630
Name	OJ000208_13.0417.C41.o1.tc	Method	TBLASTX:Cress
Start	415	End	630
GI	none	Score	231
Exons	415..618, 421..630		

Seq. No.	50019	Seq. ID	OJ000208_13.0417.C41
Gene No.	106267	Strand	-
Start	1	End	630
Name	OJ000208_13.0417.C41.o1.tw	Method	TBLASTX:Wheat
Start	415	End	630
GI	none	Score	211
Exons	415..618, 416..622, 421..630		

Seq. No.	50019	Seq. ID	OJ000208_13.0417.C41
Gene No.	106267	Strand	-
Start	1	End	630
Name	OJ000208_13.0417.C41.o1.gs	Method	GENSCAN
Start	421	End	620
GI	none	Score	.88
Exons	421..620		

Seq. No.	50019	Seq. ID	OJ000208_13.0417.C41
Gene No.	106267	Strand	-
Start	1	End	630
Name	OJ000208_13.0417.C41.o1.ts	Method	TBLASTX:Soybean
Start	421	End	622
GI	none	Score	174
Exons	421..618, 422..622		

Seq. No.	50020	Seq. ID	OJ000208_13.0417.C43
Gene No.	106268	Strand	+
Start	101	End	2077
Name	OJ000208_13.0417.C43.o1.gs	Method	GENSCAN
Start	101	End	2077
GI	none	Score	.58
Exons	101..235, 1742..1886, 1935..2077		

Seq. No.	50021	Seq. ID	OJ000208_13.0417.C48
Gene No.	106269	Strand	+
Start	1	End	182
Name	OJ000208_13.0417.C48.o1.np	Method	AAT/NAP
Start	1	End	182
GI	5922619	Score	102
Exons	1..182		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	50021	Seq. ID	OJ000208_13.0417.C48
Gene No.	106270	Strand	+
Start	328	End	454
Name	OJ000208_13.0417.C48.o1.gs	Method	GENSCAN
Start	328	End	454
GI	none	Score	.73
Exons	328..454		

Seq. No.	50021	Seq. ID	OJ000208_13.0417.C48
Gene No.	106271	Strand	-
Start	322	End	1179
Name	OJ000208_13.0417.C48.o2.np	Method	AAT/NAP
Start	322	End	1131
GI	6630699	Score	93
Exons	322..410, 874..1131		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	50021	Seq. ID	OJ000208_13.0417.C48
Gene No.	106271	Strand	-
Start	322	End	1179
Name	OJ000208_13.0417.C48.o2.gs	Method	GENSCAN
Start	757	End	1179
GI	none	Score	.92
Exons	757..1179		

Seq. No.	50022	Seq. ID	OJ000208_12.0417.C2
Gene No.	106272	Strand	+
Start	459	End	616
Name	OJ000208_12.0417.C2.o1.gs	Method	GENSCAN
Start	459	End	616
GI	none	Score	.99
Exons	459..616		

Seq. No.	50023	Seq. ID	OJ000208_12.0417.C3
Gene No.	106273	Strand	+
Start	974	End	3896
Name	OJ000208_12.0417.C3.o1.gs	Method	GENSCAN
Start	974	End	3896
GI	none	Score	.82
Exons	974..1448, 1498..1551, 1916..1935, 2042..2204, 2617..2886, 3750..3896		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106274	Strand	+
Start	1	End	2184
Name	OJ000208_12.0417.C4.o1.gp	Method	AAT/GAP
Start	1	End	1010
GI	LIB3433-052-P1-K1-H4	Score	581
Exons	1..64, 768..1010		
GI Descrip.	'4375834/emb|CAA16799.1| 2.0e-29 (AL021713) putative protein [Arabidopsis thaliana]'		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4

Gene No.	106274	Strand	+
Start	1	End	2184
Name	OJ000208_12.0417.C4.o1.gs	Method	GENSCAN
Start	11	End	2184
GI	none	Score	.43
Exons	11..64, 768..946, 1966..2080, 2131..2184		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106275	Strand	-
Start	2868	End	3627
Name	OJ000208_12.0417.C4.o2.tm	Method	TBLASTX:Maize
Start	1	End	994
GI	none	Score	78
Exons	1..66, 2..73, 742..843, 764..949, 765..959, 765..953, 863..994		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106275	Strand	-
Start	2868	End	3627
Name	OJ000208_12.0417.C4.o1.tm	Method	TBLASTX:Maize
Start	2839	End	3285
GI	none	Score	613
Exons	2839..3285, 2847..3284		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106275	Strand	-
Start	2868	End	3627
Name	OJ000208_12.0417.C4.o1.np	Method	AAT/NAP
Start	2847	End	3627
GI	7484895	Score	799
Exons	2847..3627		
GI Descrip.	cytochrome P450 homolog F13P17.33 - Arabidopsis thaliana gi|3128210|gb|AAC26690.1| (AC004077) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106275	Strand	-
Start	2868	End	3627
Name	OJ000208_12.0417.C4.o1.tc	Method	TBLASTX:Cress
Start	2850	End	3056
GI	none	Score	150
Exons	2850..3056, 2857..3051		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106275	Strand	-
Start	2868	End	3627
Name	OJ000208_12.0417.C4.o2.gs	Method	GENSCAN
Start	2868	End	3560
GI	none	Score	.96
Exons	2868..3560		

Seq. No.	50024	Seq. ID	OJ000208_12.0417.C4
Gene No.	106275	Strand	-
Start	2868	End	3627
Name	OJ000208_12.0417.C4.o1.ts	Method	TBLASTX:Soybean
Start	3034	End	3359
GI	none	Score	69
Exons	3034..3132, 3036..3104, 3078..3350, 3097..3351, 3141..3359		

Seq. No.	50025	Seq. ID	OJ000208_12.0417.C5
Gene No.	106276	Strand	-
Start	1	End	628
Name	OJ000208_12.0417.C5.o1.np	Method	AAT/NAP
Start	1	End	592
GI	7484895	Score	529
Exons	1..592		
GI Descrip.	cytochrome P450 homolog F13P17.33 - Arabidopsis thaliana gi|3128210|gb|AAC26690.1| (AC004077) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50025	Seq. ID	OJ000208_12.0417.C5
Gene No.	106276	Strand	-
Start	1	End	628
Name	OJ000208_12.0417.C5.o1.ts	Method	TBLASTX:Soybean
Start	2	End	520
GI	none	Score	115
Exons	2..178, 3..179, 161..259, 167..241, 174..260, 245..520, 246..374, 408..518		

Seq. No.	50025	Seq. ID	OJ000208_12.0417.C5
Gene No.	106276	Strand	-
Start	1	End	628
Name	OJ000208_12.0417.C5.o1.gs	Method	GENSCAN
Start	8	End	628
GI	none	Score	.79
Exons	8..628		

Seq. No.	50026	Seq. ID	OJ000208_12.0417.C6
Gene No.	106277	Strand	-
Start	36	End	714
Name	OJ000208_12.0417.C6.o1.gs	Method	GENSCAN
Start	36	End	714
GI	none	Score	.83
Exons	36..237, 256..545, 594..714		

Seq. No.	50027	Seq. ID	OJ000208_12.0417.C10
Gene No.	106278	Strand	+
Start	5097	End	5366
Name	OJ000208_12.0417.C10.o2.gs	Method	GENSCAN
Start	5097	End	5366
GI	none	Score	.48
Exons	5097..5366		

Seq. No.	50027	Seq. ID	OJ000208_12.0417.C10
Gene No.	106279	Strand	-
Start	1	End	3524
Name	OJ000208_12.0417.C10.o1.np	Method	AAT/NAP
Start	1	End	3293
GI	7486291	Score	587
Exons	1..51, 638..750, 835..904, 1164..1243, 1423..1512, 2328..2402, 3149..3293		
GI Descrip.	hypothetical protein F28J12.120 - Arabidopsis thaliana gi|2832651|emb|CAA16726.1| (AL021710) RNA helicase - like protein [Arabidopsis thaliana] gi|7268639|emb|CAB78848.1| (AL161548) RNA helicase-like protein [Arabidopsis thaliana]		

Seq. No.	50027	Seq. ID	OJ000208_12.0417.C10
Gene No.	106279	Strand	-
Start	1	End	3524
Name	OJ000208_12.0417.C10.o1.gs	Method	GENSCAN
Start	811	End	3524
GI	none	Score	.67
Exons	811..904, 1164..1243, 2328..2402, 3149..3293, 3412..3524		

Seq. No.	50027	Seq. ID	OJ000208_12.0417.C10
Gene No.	106280	Strand	-
Start	6896	End	7865
Name	OJ000208_12.0417.C10.o1.tm	Method	TBLASTX:Maize
Start	3149	End	3525
GI	none	Score	79
Exons	3149..3202, 3156..3203, 3206..3292, 3207..3290, 3418..3525, 3444..3524		

Seq. No.	50027	Seq. ID	OJ000208_12.0417.C10
Gene No.	106280	Strand	-
Start	6896	End	7865
Name	OJ000208_12.0417.C10.o3.gs	Method	GENSCAN
Start	6896	End	7865
GI	none	Score	.42
Exons	6896..7180, 7563..7865		

Seq. No.	50028	Seq. ID	OJ000208_12.0417.C11
Gene No.	106281	Strand	-
Start	1279	End	7609
Name	OJ000208_12.0417.C11.o1.gs	Method	GENSCAN
Start	1279	End	7609
GI	none	Score	.46
Exons	1279..1425, 4329..4517, 4799..4966, 4972..5116, 6842..6969, 7119..7266, 7572..7609		

Seq. No.	50028	Seq. ID	OJ000208_12.0417.C11
Gene No.	106281	Strand	-
Start	1279	End	7609
Name	OJ000208_12.0417.C11.o1.np	Method	AAT/NAP
Start	4773	End	5479
GI	7523502	Score	156
Exons	4773..5096, 5386..5479		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50028	Seq. ID	OJ000208_12.0417.C11
Gene No.	106281	Strand	-
Start	1279	End	7609
Name	OJ000208_12.0417.C11.o1.gp	Method	AAT/GAP
Start	5351	End	5802
GI	4968598	Score	723
Exons	5351..5802		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106282	Strand	+
Start	877	End	2197
Name	OJ000208_12.0417.C12.o1.gs	Method	GENSCAN
Start	877	End	2197

GI	none	Score	.71
Exons	877..1457, 1544..1634, 1748..1874, 2022..2197		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106282	Strand	+
Start	877	End	2197
Name	OJ000208_12.0417.C12.o1.np	Method	AAT/NAP
Start	877	End	2167
GI	6735324	Score	583
Exons	877..988, 1078..1634, 1748..1874, 2022..2167		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106283	Strand	+
Start	18328	End	19857
Name	OJ000208_12.0417.C12.o3.gs	Method	GENSCAN
Start	18328	End	19854
GI	none	Score	1
Exons	18328..19854		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106283	Strand	+
Start	18328	End	19857
Name	OJ000208_12.0417.C12.o2.np	Method	AAT/NAP
Start	18334	End	19854
GI	7484895	Score	1663
Exons	18334..19854		
GI Descrip.	cytochrome P450 homolog F13P17.33 - Arabidopsis thaliana gi|3128210|gb|AAC26690.1| (AC004077) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106283	Strand	+
Start	18328	End	19857
Name	OJ000208_12.0417.C12.o1.gp	Method	AAT/GAP
Start	19511	End	19857
GI	uC-osroM202022f04b1	Score	677
Exons	19511..19857		
GI Descrip.	'3128210 7.0e-44 (AC004077) putative cytochrome P450 protein [Arabidopsis thaliana] >gi_3337378 (AC004481) putative cytochrome P450 protein [Arabidopsis thaliana]'		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106284	Strand	+
Start	29648	End	30074
Name	OJ000208_12.0417.C12.o3.gp	Method	AAT/GAP
Start	29648	End	30074
GI	4878407	Score	688
Exons	29648..30074		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106285	Strand	+
Start	30742	End	33581
Name	OJ000208_12.0417.C12.o6.np	Method	AAT/NAP
Start	30742	End	33581

GI	6997177	Score	807
Exons	30742..30886, 30914..31287, 32874..33581		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106286	Strand	-
Start	2359	End	17132
Name	OJ000208_12.0417.C12.o2.gs	Method	GENSCAN
Start	2359	End	17132
GI	none	Score	.63
Exons	2359..2486, 3329..3419, 4023..4168, 4200..4291, 4612..4858, 5137..5226, 5897..5958, 11055..11080, 11896..11990, 12798..12853, 13539..13740, 15839..15893, 16360..16426, 17101..17132		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106287	Strand	-
Start	22073	End	28418
Name	OJ000208_12.0417.C12.o2.gp	Method	AAT/GAP
Start	22072	End	22235
GI	533_1.R1084	Score	176
Exons	22072..22159, 22182..22235		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106287	Strand	-
Start	22073	End	28418
Name	OJ000208_12.0417.C12.o4.gs	Method	GENSCAN
Start	22073	End	28217
GI	none	Score	.43
Exons	22073..22129, 22249..22281, 23087..23175, 23220..23399, 25353..25650, 26970..27144, 27174..27267, 27437..28217		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106287	Strand	-
Start	22073	End	28418
Name	OJ000208_12.0417.C12.o3.np	Method	AAT/NAP
Start	25329	End	28418
GI	6069654	Score	378
Exons	25329..25399, 25442..25583, 26389..27102, 27249..28418		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106287	Strand	-
Start	22073	End	28418
Name	OJ000208_12.0417.C12.o4.np	Method	AAT/NAP
Start	25758	End	28180
GI	7523494	Score	298
Exons	25758..25774, 26457..26836, 27112..27217, 27608..27722, 27765..28180		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106288	Strand	-

Start	28813	End	31757
Name	OJ000208_12.0417.C12.o5.np	Method	AAT/NAP
Start	28813	End	31757
GI	4680186	Score	194
Exons	28813..28831, 29499..29563, 30145..30379, 31685..31757		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o5.tm	Method	TBLASTX:Maize
Start	860	End	1184
GI	none	Score	94
Exons	860..934, 865..930, 871..954, 873..935, 920..943, 964..990, 965..991, 975..1001, 1092..1184, 1093..1182		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o2.tw	Method	TBLASTX:Wheat
Start	1354	End	2083
GI	none	Score	75
Exons	1354..1401, 1369..1458, 1380..1403, 1395..1457, 1539..1631, 1541..1633, 1733..1873, 1735..1872, 1781..1885, 2021..2083		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o4.ts	Method	TBLASTX:Soybean
Start	1420	End	1828
GI	none	Score	39
Exons	1420..1458, 1539..1649, 1541..1630, 1741..1821, 1745..1828		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o3.tc	Method	TBLASTX:Cress
Start	1584	End	2098
GI	none	Score	80
Exons	1584..1649, 1586..1630, 1741..1872, 1745..1873, 2021..2098		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o4.tm	Method	TBLASTX:Maize
Start	1595	End	2110
GI	none	Score	47
Exons	1595..1633, 1599..1634, 1741..1893, 1745..1900, 1997..2110		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o1.ts	Method	TBLASTX:Soybean
Start	18469	End	18954
GI	none	Score	235
Exons	18469..18681, 18493..18645, 18666..18752, 18667..18765, 18747..18926, 18748..18954		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o2.tc	Method	TBLASTX:Cress
Start	18931	End	19185
GI	none	Score	256
Exons	18931..19185, 18972..19184		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o3.ts	Method	TBLASTX:Soybean
Start	18955	End	19274
GI	none	Score	172
Exons	18955..19116, 18957..19076, 19107..19196, 19108..19197, 19227..19268, 19248..19274		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o2.ts	Method	TBLASTX:Soybean
Start	19330	End	19667
GI	none	Score	370
Exons	19330..19623, 19332..19604, 19593..19667, 19597..19665		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o1.tm	Method	TBLASTX:Maize
Start	19416	End	19928
GI	none	Score	689
Exons	19416..19928, 19417..19854		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o1.tc	Method	TBLASTX:Cress
Start	19645	End	19853
GI	none	Score	273
Exons	19645..19851, 19650..19853		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o3.tm	Method	TBLASTX:Maize
Start	30811	End	32930
GI	none	Score	360
Exons	30811..31299, 30883..31272, 31020..31286, 32874..32930		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o3.tw	Method	TBLASTX:Wheat
Start	30910	End	31286
GI	none	Score	269
Exons	30910..31284, 30921..31199, 31132..31284, 31230..31286		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o4.tw	Method	TBLASTX:Wheat
Start	32869	End	32990
GI	none	Score	60
Exons	32869..32985, 32873..32989, 32874..32990		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o2.tm	Method	TBLASTX:Maize
Start	32948	End	33425
GI	none	Score	82
Exons	32948..33121, 32948..33319, 32949..33320, 33185..33331, 33187..33330, 33317..33358, 33318..33356, 33354..33425, 33360..33425		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o1.tw	Method	TBLASTX:Wheat
Start	32991	End	33414
GI	none	Score	220
Exons	32991..33176, 33002..33166, 33012..33176, 33179..33331, 33186..33413, 33186..33401, 33188..33403, 33193..33414		

Seq. No.	50029	Seq. ID	OJ000208_12.0417.C12
Gene No.	106289	Strand	-
Start	33970	End	35003
Name	OJ000208_12.0417.C12.o6.gs	Method	GENSCAN
Start	33970	End	35003
GI	none	Score	.5
Exons	33970..34098, 34917..35003		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106290	Strand	+
Start	1938	End	3544
Name	OJ000208_12.0417.C13.o1.gp	Method	AAT/GAP
Start	1938	End	2326
GI	62868_1.R1084	Score	774
Exons	1938..2326		
GI Descrip.	'3927832 8.0e-15 (AC005727) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106290	Strand	+
Start	1938	End	3544
Name	OJ000208_12.0417.C13.o1.gs	Method	GENSCAN
Start	2013	End	3526
GI	none	Score	1
Exons	2013..2802, 2838..3526		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106290	Strand	+
Start	1938	End	3544

Name	OJ000208_12.0417.C13.o1.np	Method	AAT/NAP
Start	2025	End	3544
GI	7484894	Score	1494
Exons	2025..3544		
GI Descrip.	cytochrome P450 homolog F13P17.32 - Arabidopsis thaliana gi|3128211|gb|AAC26691.1| (AC004077) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106291	Strand	+
Start	10639	End	10740
Name	OJ000208_12.0417.C13.o3.np	Method	AAT/NAP
Start	10639	End	10740
GI	5922634	Score	99
Exons	10639..10740		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106292	Strand	+
Start	21988	End	23511
Name	OJ000208_12.0417.C13.o4.np	Method	AAT/NAP
Start	21988	End	23511
GI	7484895	Score	1483
Exons	21988..23511		
GI Descrip.	cytochrome P450 homolog F13P17.33 - Arabidopsis thaliana gi|3128210|gb|AAC26690.1| (AC004077) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106292	Strand	+
Start	21988	End	23511
Name	OJ000208_12.0417.C13.o5.np	Method	AAT/NAP
Start	21988	End	23508
GI	7484894	Score	1433
Exons	21988..23508		
GI Descrip.	cytochrome P450 homolog F13P17.32 - Arabidopsis thaliana gi|3128211|gb|AAC26691.1| (AC004077) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o1.ts	Method	TBLASTX:Soybean
Start	2067	End	22611
GI	none	Score	287
Exons	2067..2339, 2090..2371, 2109..2372, 2357..2437, 2358..2456, 2438..2617, 2439..2645, 22054..22098, 22056..22115, 22107..22337, 22147..22338, 22323..22409, 22324..22422, 22404..22583, 22405..22611		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o2.tc	Method	TBLASTX:Cress
Start	2622	End	22935

GI	none	Score	107
Exons	2622..2708, 2640..2837, 2663..2845, 2766..2876, 2898..2951, 22597..22842, 22629..22811, 22825..22935, 22857..22931		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o3.ts	Method	TBLASTX:Soybean
Start	2646	End	22932
GI	none	Score	96
Exons	2646..2807, 2646..2792, 2651..2806, 2798..2845, 2799..2909, 2814..2849, 2922..2951, 22612..22773, 22614..22772, 22764..22880, 22765..22881, 22888..22932, 22892..22927		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o2.ts	Method	TBLASTX:Soybean
Start	3023	End	23324
GI	none	Score	354
Exons	3023..3316, 3025..3297, 3268..3360, 3290..3358, 23007..23261, 23008..23280, 23250..23324, 23254..23322		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o1.tm	Method	TBLASTX:Maize
Start	3109	End	23513
GI	none	Score	637
Exons	3109..3603, 3110..3580, 23073..23513, 23074..23511		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o1.tc	Method	TBLASTX:Cress
Start	3338	End	23508
GI	none	Score	255
Exons	3338..3544, 3343..3537, 23302..23508, 23307..23501		

Seq. No.	50030	Seq. ID	OJ000208_12.0417.C13
Gene No.	106293	Strand	-
Start	9305	End	23513
Name	OJ000208_12.0417.C13.o2.np	Method	AAT/NAP
Start	9305	End	10403
GI	6815053	Score	747
Exons	9305..9542, 9592..9758, 10257..10403		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	50031	Seq. ID	OJ000208_12.0417.C14
Gene No.	106294	Strand	+
Start	1	End	720
Name	OJ000208_12.0417.C14.o1.np	Method	AAT/NAP
Start	1	End	699
GI	2500543	Score	172
Exons	1..111, 188..271, 343..396, 595..699		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE EEED8.5 gi|733602 (U23484) similar to S. cerevisiae pre-mRNA		

splicing factor RNA helicase PRP22 (SP:PR22_YEAST, P24384) and other DEAH subfamily members of the DEAD box family helicases [Caenorhabditis elegans]

Seq. No.	50031	Seq. ID	OJ000208_12.0417.C14
Gene No.	106294	Strand	+
Start	1	End	720
Name	OJ000208_12.0417.C14.o1.gs	Method	GENSCAN
Start	65	End	720
GI	none	Score	.61
Exons	65..111, 188..271, 595..720		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106295	Strand	+
Start	5922	End	6750
Name	OJ000208_12.0417.C17.o2.gs	Method	GENSCAN
Start	5922	End	6750
GI	none	Score	.92
Exons	5922..5928, 6509..6750		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o1.tm	Method	TBLASTX:Maize
Start	247	End	4736
GI	none	Score	187
Exons	247..387, 247..387, 248..394, 293..394, 477..779, 477..788, 481..786, 941..988, 983..1204, 983..1201, 1153..1227, 1280..1393, 1291..1395, 1292..1396, 1300..1395, 1388..1438, 1394..1438, 1396..1446, 1398..1454, 1541..1738, 1543..1725, 1544..1726, 1551..1733, 1992..2186, 1994..2200, 1996..2187, 4452..4580, 4455..4601, 4459..4602, 4713..4736		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o1.ts	Method	TBLASTX:Soybean
Start	247	End	1204
GI	none	Score	88
Exons	247..387, 248..394, 477..746, 481..705, 513..746, 759..782, 974..1204, 974..1201		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o2.tc	Method	TBLASTX:Cress
Start	247	End	749
GI	none	Score	105
Exons	247..378, 247..387, 248..394, 480..749, 481..708		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o1.gs	Method	GENSCAN
Start	289	End	4802
GI	none	Score	.56
Exons	289..384, 483..785, 938..1205, 1292..1470, 1544..1725,		

1996..2162, 4144..4802

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o1.tw	Method	TBLASTX:Wheat
Start	328	End	749
GI	none	Score	83
Exons	328..387, 329..394, 477..749, 477..749		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o1.tc	Method	TBLASTX:Cress
Start	998	End	4602
GI	none	Score	116
Exons	998..1201, 1001..1204, 1282..1446, 1361..1441, 1541..1738, 1542..1721, 2047..2184, 2048..2185, 2051..2200, 2055..2189, 4455..4601, 4459..4602		

Seq. No.	50032	Seq. ID	OJ000208_12.0417.C17
Gene No.	106296	Strand	-
Start	289	End	4805
Name	OJ000208_12.0417.C17.o2.gp	Method	AAT/GAP
Start	2099	End	4805
GI	none	Score	934
Exons	2099..2184, 4385..4805		

Seq. No.	50033	Seq. ID	OJ000208_12.0417.C18
Gene No.	106297	Strand	+
Start	640	End	1251
Name	OJ000208_12.0417.C18.o1.gs	Method	GENSCAN
Start	640	End	1251
GI	none	Score	.63
Exons	640..754, 859..910, 1225..1251		

Seq. No.	50034	Seq. ID	OJ000118_15.0419.C3
Gene No.	106298	Strand	-
Start	1	End	2219
Name	OJ000118_15.0419.C3.o1.gp	Method	AAT/GAP
Start	1	End	2219
GI	23815_1.R1084	Score	604
Exons	1..52, 135..212, 1053..1112, 1236..1309, 1403..1442, 2170..2219		
GI Descrip.	'1076821/pir||S52645 1.0e-115 probable 1-acyl-glycerol-3-phosphate acyltransferase - maize >gi_575960_emb_CAA82638_ (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]'		

Seq. No.	50034	Seq. ID	OJ000118_15.0419.C3
Gene No.	106298	Strand	-
Start	1	End	2219
Name	OJ000118_15.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	2219
GI	1076821	Score	450
Exons	1..52, 135..212, 1053..1112, 1236..1309, 1403..1442, 2170..2219		
GI Descrip.	probable 1-acyl-glycerol-3-phosphate acyltransferase - maize gi|575960|emb|CAA82638| (Z29518) 1-acyl-glycerol-3-phosphate		

acyltransferase (putative) [Zea mays]

Seq. No.	50034	Seq. ID	OJ000118_15.0419.C3
Gene No.	106298	Strand	-
Start	1	End	2219
Name	OJ000118_15.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	2217
GI	none	Score	96
Exons	2..49, 135..218, 136..213, 147..251, 1048..1116, 1050..1115, 1051..1116, 1230..1313, 1236..1313, 1240..1320, 2167..2217		

Seq. No.	50034	Seq. ID	OJ000118_15.0419.C3
Gene No.	106298	Strand	-
Start	1	End	2219
Name	OJ000118_15.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	166	End	2217
GI	none	Score	60
Exons	166..213, 168..218, 1048..1116, 1050..1115, 1060..1116, 1225..1302, 1230..1313, 1240..1311, 2167..2217		

Seq. No.	50034	Seq. ID	OJ000118_15.0419.C3
Gene No.	106298	Strand	-
Start	1	End	2219
Name	OJ000118_15.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	183	End	2217
GI	none	Score	107
Exons	183..218, 1048..1113, 1050..1115, 1050..1115, 1230..1313, 1231..1311, 1236..1313, 1382..1444, 1386..1448, 1396..1440, 1401..1496, 2152..2217, 2167..2217		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106299	Strand	+
Start	216	End	10981
Name	OJ000118_15.0419.C4.o1.gp	Method	AAT/GAP
Start	216	End	476
GI	23815_1.R1084	Score	491
Exons	216..476		
GI Descrip.	'1076821/pir||S52645 1.0e-115 probable 1-acyl-glycerol-3-phosphate acyltransferase - maize >gi_575960_emb_CAA82638_ (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]'		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106299	Strand	+
Start	216	End	10981
Name	OJ000118_15.0419.C4.o1.gs	Method	GENSCAN
Start	347	End	10981
GI	none	Score	.66
Exons	347..490, 3476..3572, 5254..5469, 5871..5992, 6103..6186, 6297..6594, 7283..7460, 7943..8003, 8466..8648, 8838..8999, 9101..9294, 9611..9729, 9808..9835, 10190..10374, 10917..10981		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106299	Strand	+
Start	216	End	10981
Name	OJ000118_15.0419.C4.o1.np	Method	AAT/NAP
Start	6112	End	10400

GI	7450580	Score	768
Exons	6112..6186, 6297..6429, 6517..6590, 7321..7460, 7940..8030, 8481..8648, 8838..8999, 9101..9294, 9611..9761, 10212..10400		
GI Descrip.	probable GTP binding protein slr1974 - Synechocystis sp. (strain PCC 6803) gi|1653291|dbj|BAA18206.1| (D90912) hypothetical protein [Synechocystis sp.]		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106300	Strand	+
Start	13626	End	16902
Name	OJ000118_15.0419.C4.o3.gs	Method	GENSCAN
Start	13626	End	16902
GI	none	Score	.4
Exons	13626..13961, 15215..15454, 16113..16275, 16484..16902		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106300	Strand	+
Start	13626	End	16902
Name	OJ000118_15.0419.C4.o3.gp	Method	AAT/GAP
Start	13783	End	15490
GI	2428351	Score	851
Exons	13783..13961, 15215..15490		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106301	Strand	+
Start	19457	End	19620
Name	OJ000118_15.0419.C4.o2.np	Method	AAT/NAP
Start	19457	End	19620
GI	5852172	Score	112
Exons	19457..19620		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106302	Strand	+
Start	20349	End	21871
Name	OJ000118_15.0419.C4.o5.gs	Method	GENSCAN
Start	20349	End	21871
GI	none	Score	.65
Exons	20349..20484, 21211..21437, 21442..21529, 21558..21871		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106303	Strand	+
Start	23450	End	23811
Name	OJ000118_15.0419.C4.o6.gs	Method	GENSCAN
Start	23450	End	23811
GI	none	Score	.46
Exons	23450..23575, 23623..23811		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106304	Strand	-
Start	10925	End	11190
Name	OJ000118_15.0419.C4.o2.gp	Method	AAT/GAP
Start	10925	End	11190
GI	uC-osf1cyp135g02a1	Score	508
Exons	10925..11190		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106305	Strand	-
Start	12163	End	13511
Name	OJ000118_15.0419.C4.o2.gs	Method	GENSCAN
Start	12163	End	13511
GI	none	Score	.59
Exons	12163..12347, 12736..13345, 13353..13511		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106306	Strand	-
Start	18010	End	19780
Name	OJ000118_15.0419.C4.o4.gs	Method	GENSCAN
Start	18010	End	19777
GI	none	Score	.4
Exons	18010..18026, 18112..18214, 18467..18541, 19592..19777		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106306	Strand	-
Start	18010	End	19780
Name	OJ000118_15.0419.C4.o4.gp	Method	AAT/GAP
Start	19443	End	19780
GI	427610	Score	269
Exons	19443..19489, 19517..19580, 19685..19780		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106307	Strand	-
Start	24914	End	25468
Name	OJ000118_15.0419.C4.o7.gs	Method	GENSCAN
Start	24914	End	25468
GI	none	Score	.65
Exons	24914..25468		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	6103	End	8969
GI	none	Score	87
Exons	6103..6186, 7350..7460, 7351..7461, 7928..8011, 7944..8045, 8493..8648, 8493..8648, 8501..8650, 8804..8857, 8868..8969, 8873..8932		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	6109	End	9235
GI	none	Score	89
Exons	6109..6183, 8484..8648, 8484..8648, 8498..8659, 8835..8999, 8837..9001, 8860..9000, 9035..9235, 9098..9208		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771

Name	OJ000118_15.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	6112	End	10382
GI	none	Score	90
Exons	6112..6186, 8478..8648, 8482..8649, 8483..8650, 8501..8644, 8874..8999, 8874..8999, 8875..9006, 8878..9000, 9035..9301, 9098..9304, 9599..9703, 9609..9767, 9612..9761, 9727..9762, 10208..10381, 10209..10382, 10209..10382		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o2.tc	Method	TBLASTX:Cress
Start	10209	End	10376
GI	none	Score	139
Exons	10209..10295, 10211..10294, 10298..10375, 10299..10376		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	10209	End	10370
GI	none	Score	231
Exons	10209..10370, 10211..10351		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o9.gs	Method	GENSCAN
Start	29372	End	34771
GI	none	Score	.61
Exons	29372..29544, 29570..29748, 29765..30133, 30729..30888, 31993..34149, 34744..34771		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o3.tm	Method	TBLASTX:Maize
Start	31217	End	31877
GI	none	Score	76
Exons	31217..31291, 31218..31292, 31220..31294, 31221..31292, 31297..31338, 31304..31345, 31345..31506, 31355..31465, 31356..31520, 31362..31505, 31752..31877, 31753..31833, 31764..31853		

Seq. No.	50035	Seq. ID	OJ000118_15.0419.C4
Gene No.	106308	Strand	-
Start	29372	End	34771
Name	OJ000118_15.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	33623	End	34048
GI	none	Score	219
Exons	33623..33676, 33747..33989, 33752..34048, 33792..34040		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106309	Strand	+
Start	1317	End	1940
Name	OJ000118_15.0419.C5.o2.gp	Method	AAT/GAP
Start	1317	End	1833

GI	none	Score	990
Exons	1317..1833		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106309	Strand	+
Start	1317	End	1940
Name	OJ000118_15.0419.C5.o1.gs	Method	GENSCAN
Start	1512	End	1940
GI	none	Score	.75
Exons	1512..1940		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106310	Strand	+
Start	12340	End	21626
Name	OJ000118_15.0419.C5.o3.gs	Method	GENSCAN
Start	12340	End	21626
GI	none	Score	.55
Exons	12340..12393, 13300..13439, 13907..13974, 14925..15006, 15115..15242, 16789..16847, 16957..17024, 17230..17340, 17457..17533, 19420..19535, 20303..20359, 21519..21626		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106310	Strand	+
Start	12340	End	21626
Name	OJ000118_15.0419.C5.o5.gp	Method	AAT/GAP
Start	13393	End	16010
GI	426290	Score	716
Exons	13393..13518, 13907..13974, 14925..15006, 15115..15198, 15971..16010		
GI Descrip.	3415134 1.0e-45 (AF082024) Phybl [Pimpinella brachycarpa]		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106310	Strand	+
Start	12340	End	21626
Name	OJ000118_15.0419.C5.o2.np	Method	AAT/NAP
Start	13460	End	17772
GI	3415134	Score	569
Exons	13460..13518, 13907..13974, 14925..15006, 15115..15198, 15971..16010, 16589..16634, 16789..16847, 16957..17024, 17230..17297, 17453..17555, 17718..17772		
GI Descrip.	(AF082024) Phybl [Pimpinella brachycarpa]		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106311	Strand	-
Start	2271	End	9205
Name	OJ000118_15.0419.C5.o2.gs	Method	GENSCAN
Start	2271	End	9205
GI	none	Score	.89
Exons	2271..2344, 2525..2711, 2874..3034, 3110..3344, 4083..4166, 4245..4340, 4556..5278, 7746..7872, 7938..8208, 8549..8618, 9146..9205		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106311	Strand	-
Start	2271	End	9205
Name	OJ000118_15.0419.C5.o1.np	Method	AAT/NAP
Start	2272	End	8208

GI	4836950	Score	1180
Exons	2272..2711, 2874..3034, 3110..3344, 4083..4112, 4245..4340, 4556..5278, 7746..7999, 8104..8208		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106311	Strand	-
Start	2271	End	9205
Name	OJ000118_15.0419.C5.o3.gp	Method	AAT/GAP
Start	2606	End	3172
GI	LIB3432-023-P1-K1-G4	Score	576
Exons	2606..2711, 2874..3034, 3110..3172		
GI Descrip.	'4836950/gb|AAD30652.1|AC006085_25 3.0e-17 (AC006085) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106311	Strand	-
Start	2271	End	9205
Name	OJ000118_15.0419.C5.o4.gp	Method	AAT/GAP
Start	4600	End	7954
GI	51076_1.R1084	Score	1688
Exons	4600..5278, 7746..7954		
GI Descrip.	'3415134 1.0e-45 (AF082024) Phybl [Pimpinella brachycarpa]'		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	2427	End	3290
GI	none	Score	313
Exons	2427..2714, 2428..2715, 2432..2716, 2872..3036, 2874..3035, 2874..3050, 2881..3036, 3111..3290, 3112..3285		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o2.tc	Method	TBLASTX:Cress
Start	2869	End	3350
GI	none	Score	93
Exons	2869..3036, 2874..3050, 3144..3350, 3160..3345		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	4261	End	5072
GI	none	Score	107
Exons	4261..4338, 4261..4341, 4263..4343, 4495..5070, 4553..5071, 4590..5072		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	4583	End	5026
GI	none	Score	224
Exons	4583..4654, 4673..5026		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o3.tm	Method	TBLASTX:Maize
Start	5072	End	7831
GI	none	Score	138
Exons	5072..5206, 5073..5216, 5130..5279, 5179..5280, 5198..5281, 5207..5281, 7707..7781, 7808..7831		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	13904	End	17010
GI	none	Score	63
Exons	13904..13972, 13907..13972, 13908..13973, 14912..15007, 14924..15007, 14926..15015, 15109..15201, 15110..15202, 15113..15202, 15972..16013, 16586..16636, 16586..16633, 16588..16635, 16773..16850, 16773..16856, 16778..16858, 16786..16869, 16948..17010, 16951..17010		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o3.tc	Method	TBLASTX:Cress
Start	13907	End	15202
GI	none	Score	113
Exons	13907..13972, 13908..13973, 14923..15006, 14924..15007, 15110..15202, 15113..15202		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o3.np	Method	AAT/NAP
Start	17620	End	23442
GI	4519258	Score	1145
Exons	17620..17656, 18842..19451, 19489..19839, 19983..20251, 23395..23442		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	50036	Seq. ID	OJ000118_15.0419.C5
Gene No.	106312	Strand	-
Start	17620	End	23442
Name	OJ000118_15.0419.C5.o4.gs	Method	GENSCAN
Start	22877	End	23212
GI	none	Score	.94
Exons	22877..23212		

Seq. No.	50037	Seq. ID	OJ000118_15.0419.C6
Gene No.	106313	Strand	+
Start	7691	End	11379
Name	OJ000118_15.0419.C6.o1.gs	Method	GENSCAN
Start	7691	End	9871
GI	none	Score	.99
Exons	7691..9871		

Seq. No.	50037	Seq. ID	OJ000118_15.0419.C6
Gene No.	106313	Strand	+
Start	7691	End	11379
Name	OJ000118_15.0419.C6.o2.np	Method	AAT/NAP
Start	7691	End	11379
GI	4680181	Score	485
Exons	7691..8056, 9035..9226, 9323..9827, 11348..11379		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50037	Seq. ID	OJ000118_15.0419.C6
Gene No.	106313	Strand	+
Start	7691	End	11379
Name	OJ000118_15.0419.C6.o2.gp	Method	AAT/GAP
Start	9499	End	9955
GI	LIB3433-034-P1-K1-E6	Score	888
Exons	9499..9955		
GI Descrip.	'2832636/emb|CAA16765.1| 7.0e-20 (AL021711) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50037	Seq. ID	OJ000118_15.0419.C6
Gene No.	106314	Strand	-
Start	25	End	1604
Name	OJ000118_15.0419.C6.o1.np	Method	AAT/NAP
Start	25	End	1604
GI	6002089	Score	144
Exons	25..217, 1582..1604		
GI Descrip.	(X84147) ribosomal protein S4 [Typha angustifolia]		

Seq. No.	50037	Seq. ID	OJ000118_15.0419.C6
Gene No.	106315	Strand	
Start	7787	End	8209
Name	OJ000118_15.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	7787	End	8209
GI	none	Score	36
Exons	7787..7891, 7916..8086, 8105..8209		

Seq. No.	50037	Seq. ID	OJ000118_15.0419.C6
Gene No.	106316	Strand	
Start	9611	End	9844
Name	OJ000118_15.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	9611	End	9844
GI	none	Score	243
Exons	9611..9844, 9733..9843		

Seq. No.	50038	Seq. ID	OJ000118_15.0419.C7
Gene No.	106317	Strand	+
Start	1	End	1125
Name	OJ000118_15.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	1125
GI	7106516	Score	113
Exons	1..34, 211..377, 1073..1125		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	50039	Seq. ID	OJ000118_15.0419.C8
Gene No.	106318	Strand	-
Start	1	End	2692
Name	OJ000118_15.0419.C8.o1.np	Method	AAT/NAP

Start	1	End	2692
GI	5042463	Score	89
Exons	1..17, 1307..1458, 2663..2692		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	50039	Seq. ID	OJ000118_15.0419.C8
Gene No.	106319	Strand	-
Start	3417	End	5740
Name	OJ000118_15.0419.C8.o2.gs	Method	GENSCAN
Start	3417	End	5664
GI	none	Score	.42
Exons	3417..3497, 3616..3686, 3898..4018, 4075..5664		

Seq. No.	50039	Seq. ID	OJ000118_15.0419.C8
Gene No.	106319	Strand	-
Start	3417	End	5740
Name	OJ000118_15.0419.C8.o2.np	Method	AAT/NAP
Start	4053	End	5740
GI	4519936	Score	766
Exons	4053..5740		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		

Seq. No.	50039	Seq. ID	OJ000118_15.0419.C8
Gene No.	106319	Strand	-
Start	3417	End	5740
Name	OJ000118_15.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	4504	End	5589
GI	none	Score	75
Exons	4504..4614, 4676..4837, 4678..4836, 5098..5268, 5242..5589		

Seq. No.	50039	Seq. ID	OJ000118_15.0419.C8
Gene No.	106319	Strand	-
Start	3417	End	5740
Name	OJ000118_15.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	5039	End	5370
GI	none	Score	66
Exons	5039..5212, 5041..5367, 5044..5370, 5061..5369		

Seq. No.	50039	Seq. ID	OJ000118_15.0419.C8
Gene No.	106319	Strand	-
Start	3417	End	5740
Name	OJ000118_15.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	5290	End	5592
GI	none	Score	80
Exons	5290..5592, 5330..5434		

Seq. No.	50040	Seq. ID	OJ000118_15.0419.C9
Gene No.	106320	Strand	-
Start	1331	End	3634
Name	OJ000118_15.0419.C9.o1.np	Method	AAT/NAP
Start	1331	End	3634
GI	6721157	Score	96
Exons	1331..1378, 2822..2973, 3409..3634		
GI Descrip.	(AC016829) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	50040	Seq. ID	OJ000118_15.0419.C9

Gene No.	106320	Strand	-
Start	1331	End	3634
Name	OJ000118_15.0419.C9.o2.gs	Method	GENSCAN
Start	2774	End	3025
GI	none	Score	.82
Exons	2774..3025		

Seq. No.	50041	Seq. ID	OJ000118_15.0419.C10
Gene No.	106321	Strand	-
Start	398	End	460
Name	OJ000118_15.0419.C10.o1.gs	Method	GENSCAN
Start	398	End	460
GI	none	Score	.61
Exons	398..460		

Seq. No.	50042	Seq. ID	OJ000118_15.0419.C12
Gene No.	106322	Strand	-
Start	1047	End	1216
Name	OJ000118_15.0419.C12.o1.gs	Method	GENSCAN
Start	1047	End	1216
GI	none	Score	.97
Exons	1047..1216		

Seq. No.	50043	Seq. ID	OJ000118_15.0419.C13
Gene No.	106323	Strand	
Start	1883	End	2119
Name	OJ000118_15.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	1883	End	2119
GI	none	Score	196
Exons	1883..2119		

Seq. No.	50043	Seq. ID	OJ000118_15.0419.C13
Gene No.	106324	Strand	
Start	2198	End	2491
Name	OJ000118_15.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	2198	End	2491
GI	none	Score	154
Exons	2198..2395, 2206..2394, 2390..2491		

Seq. No.	50044	Seq. ID	OJ000118_15.0419.C14
Gene No.	106325	Strand	+
Start	3609	End	6677
Name	OJ000118_15.0419.C14.o1.np	Method	AAT/NAP
Start	3609	End	6677
GI	6721547	Score	74
Exons	3609..3721, 6588..6677		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	50044	Seq. ID	OJ000118_15.0419.C14
Gene No.	106326	Strand	-
Start	4220	End	6166
Name	OJ000118_15.0419.C14.o2.gs	Method	GENSCAN
Start	4220	End	6166
GI	none	Score	.93
Exons	4220..6166		

Seq. No.	50044	Seq. ID	OJ000118_15.0419.C14

Gene No.	106326	Strand	-
Start	4220	End	6166
Name	OJ000118_15.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	4676	End	5122
GI	none	Score	70
Exons	4676..5122, 4697..4894, 4866..5117		

Seq. No.	50044	Seq. ID	OJ000118_15.0419.C14
Gene No.	106326	Strand	-
Start	4220	End	6166
Name	OJ000118_15.0419.C14.o2.np	Method	AAT/NAP
Start	4871	End	5083
GI	3860167	Score	76
Exons	4871..5083		
GI Descrip.	(AF098964) disease resistance protein RPP1-WsC [Arabidopsis thaliana]		

Seq. No.	50045	Seq. ID	OJ000118_15.0419.C15
Gene No.	106327	Strand	+
Start	1	End	3757
Name	OJ000118_15.0419.C15.o2.np	Method	AAT/NAP
Start	1	End	1920
GI	6069646	Score	715
Exons	1..68, 1143..1920		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50045	Seq. ID	OJ000118_15.0419.C15
Gene No.	106327	Strand	+
Start	1	End	3757
Name	OJ000118_15.0419.C15.o2.gs	Method	GENSCAN
Start	1348	End	3757
GI	none	Score	.74
Exons	1348..1499, 2485..2635, 2897..3757		

Seq. No.	50045	Seq. ID	OJ000118_15.0419.C15
Gene No.	106328	Strand	-
Start	1	End	980
Name	OJ000118_15.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	587
GI	5091497	Score	78
Exons	1..167, 314..587		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	50045	Seq. ID	OJ000118_15.0419.C15
Gene No.	106328	Strand	-
Start	1	End	980
Name	OJ000118_15.0419.C15.o1.gs	Method	GENSCAN
Start	61	End	980
GI	none	Score	.66
Exons	61..176, 435..486, 528..601, 764..980		

Seq. No.	50045	Seq. ID	OJ000118_15.0419.C15

Gene No.	106329	Strand	
Start	1315	End	1823
Name	OJ000118_15.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	1315	End	1823
GI	none	Score	100
Exons	1315..1428, 1414..1656, 1432..1683, 1698..1823		

Seq. No.	50046	Seq. ID	OJ000118_15.0419.C16
Gene No.	106330	Strand	+
Start	66	End	138
Name	OJ000118_15.0419.C16.o1.gs	Method	GENSCAN
Start	66	End	138
GI	none	Score	.92
Exons	66..138		

Seq. No.	50047	Seq. ID	OJ000118_15.0419.C18
Gene No.	106331	Strand	-
Start	87	End	491
Name	OJ000118_15.0419.C18.o1.gs	Method	GENSCAN
Start	87	End	491
GI	none	Score	.64
Exons	87..241, 414..491		

Seq. No.	50048	Seq. ID	OJ000118_15.0419.C24
Gene No.	106332	Strand	+
Start	1	End	704
Name	OJ000118_15.0419.C24.o1.gp	Method	AAT/GAP
Start	1	End	384
GI	LIB3434-005-P1-K1-H8	Score	534
Exons	1..384		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50048	Seq. ID	OJ000118_15.0419.C24
Gene No.	106332	Strand	+
Start	1	End	704
Name	OJ000118_15.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	704
GI	6815052	Score	446
Exons	1..134, 215..289, 569..704		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	50048	Seq. ID	OJ000118_15.0419.C24
Gene No.	106332	Strand	+
Start	1	End	704
Name	OJ000118_15.0419.C24.o1.gs	Method	GENSCAN
Start	15	End	647
GI	none	Score	.64
Exons	15..134, 442..494, 569..647		

Seq. No.	50049	Seq. ID	OJ000118_15.0419.C28
Gene No.	106333	Strand	-
Start	489	End	637
Name	OJ000118_15.0419.C28.o1.gs	Method	GENSCAN
Start	489	End	637
GI	none	Score	.4
Exons	489..637		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	3097
GI	6466937	Score	1934
Exons	1..3097		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o4.tw	Method	TBLASTX:Wheat
Start	52	End	444
GI	none	Score	286
Exons	52..444		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	64	End	699
GI	none	Score	185
Exons	64..504, 64..699, 65..589		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	292	End	675
GI	none	Score	131
Exons	292..675, 383..646		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o2.tw	Method	TBLASTX:Wheat
Start	532	End	927
GI	none	Score	65
Exons	532..927, 559..765		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o4.tm	Method	TBLASTX:Maize
Start	700	End	1122
GI	none	Score	50
Exons	700..927, 952..1029, 953..1030, 987..1121, 1018..1122		

Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o3.ts	Method	TBLASTX:Soybean
Start	1110	End	1367
GI	none	Score	97

Exons	1110..1367, 1168..1365		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	1124	End	1652
GI	none	Score	234
Exons	1124..1321, 1125..1619, 1125..1652, 1135..1647		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o3.tw	Method	TBLASTX:Wheat
Start	1275	End	1676
GI	none	Score	133
Exons	1275..1676, 1309..1644		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o2.ts	Method	TBLASTX:Soybean
Start	1389	End	1767
GI	none	Score	63
Exons	1389..1502, 1389..1748, 1417..1767		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o3.tm	Method	TBLASTX:Maize
Start	1671	End	2153
GI	none	Score	254
Exons	1671..2153, 1704..2144		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	1725	End	2138
GI	none	Score	76
Exons	1725..2138, 1758..2054, 1759..2103		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o4.ts	Method	TBLASTX:Soybean
Start	1857	End	2144
GI	none	Score	198
Exons	1857..2144		
Seq. No.	50050	Seq. ID	OJ000118_13.0419.C3
Gene No.	106334	Strand	-
Start	1	End	3097
Name	OJ000118_13.0419.C3.o5.tm	Method	TBLASTX:Maize
Start	2197	End	3037
GI	none	Score	70
Exons	2197..2289, 2413..2508, 2590..2691, 2764..2838, 2878..3036,		

2879..3037

Seq. No.	50051	Seq. ID	OJ000118_13.0419.C4
Gene No.	106335	Strand	-
Start	1	End	397
Name	OJ000118_13.0419.C4.o1.gs	Method	GENSCAN
Start	1	End	397
GI	none	Score	.4
Exons	1..150, 281..397		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106336	Strand	+
Start	1428	End	3381
Name	OJ000118_13.0419.C5.o1.np	Method	AAT/NAP
Start	1428	End	3381
GI	3941448	Score	242
Exons	1428..1859, 3354..3381		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106336	Strand	+
Start	1428	End	3381
Name	OJ000118_13.0419.C5.o1.gs	Method	GENSCAN
Start	1484	End	2037
GI	none	Score	.79
Exons	1484..1796, 1811..2037		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o4.ts	Method	TBLASTX:Soybean
Start	1419	End	1684
GI	none	Score	42
Exons	1419..1469, 1466..1552, 1473..1553, 1544..1684		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o4.tm	Method	TBLASTX:Maize
Start	1445	End	1684
GI	none	Score	43
Exons	1445..1468, 1446..1469, 1472..1552, 1473..1553, 1553..1684		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o3.tc	Method	TBLASTX:Cress
Start	1445	End	1684
GI	none	Score	40
Exons	1445..1468, 1446..1469, 1466..1552, 1473..1553, 1553..1684		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.tw	Method	TBLASTX:Wheat
Start	1445	End	1684
GI	none	Score	43

Exons	1445..1468, 1446..1469, 1472..1552, 1473..1553, 1553..1684		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.gs	Method	GENSCAN
Start	3670	End	8584
GI	none	Score	.77
Exons	3670..3686, 4360..4654, 4805..5038, 5357..5632, 6348..6423, 6612..6817, 7272..7481, 7916..8042, 8304..8584		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	4336	End	4994
GI	none	Score	315
Exons	4336..4668, 4341..4670, 4349..4657, 4797..4994, 4805..4993		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.np	Method	AAT/NAP
Start	4568	End	8076
GI	6573289	Score	1547
Exons	4568..4650, 4801..5038, 5357..5632, 5783..6059, 6348..6687, 6784..6928, 7272..7481, 7575..7638, 7916..8076		
GI Descrip.	(AB008023) RXW8 [Arabidopsis thaliana]		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	4571	End	5633
GI	none	Score	159
Exons	4571..4657, 4796..5041, 4797..5033, 5330..5494, 5339..5485, 5364..5522, 5510..5632, 5568..5633		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	4793	End	7472
GI	none	Score	147
Exons	4793..5041, 4821..5018, 5330..5635, 5349..5633, 5777..6058, 5790..6062, 6345..6428, 6353..6649, 6519..6569, 7272..7472		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	5765	End	6070
GI	none	Score	192
Exons	5765..6007, 5790..6005, 5854..6006, 6008..6070, 6012..6062		
Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-

Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	6005	End	6550
GI	none	Score	65
Exons	6005..6055, 6006..6056, 6008..6055, 6335..6550, 6345..6548		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o5.ts	Method	TBLASTX:Soybean
Start	6350	End	6638
GI	none	Score	93
Exons	6350..6637, 6501..6638		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	6390	End	6941
GI	none	Score	329
Exons	6390..6647, 6392..6649, 6397..6648, 6788..6937, 6801..6938, 6807..6941		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o3.tm	Method	TBLASTX:Maize
Start	6794	End	7605
GI	none	Score	120
Exons	6794..6937, 6795..6938, 6813..6941, 6814..6939, 7272..7481, 7272..7481, 7315..7482, 7573..7605, 7575..7604		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o1.gp	Method	AAT/GAP
Start	6972	End	7619
GI	uC-osflm202108c02b1	Score	1045
Exons	6972..7481, 7575..7619		
GI Descrip.	'3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o3.np	Method	AAT/NAP
Start	7467	End	8611
GI	629528	Score	199
Exons	7467..7551, 8302..8611		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana gi|1076335|pir||S51580 hypothetical protein 1 - Arabidopsis thaliana gi|499167|emb|CAA56144.1| (X79707) ORF [Arabidopsis thaliana]		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611

Name	OJ000118_13.0419.C5.o3.ts	Method	TBLASTX:Soybean
Start	7578	End	8591
GI	none	Score	60
Exons	7578..7637, 7915..8082, 8285..8422, 8298..8465, 8325..8423, 8441..8587, 8448..8591		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.gp	Method	AAT/GAP
Start	7955	End	8611
GI	3768568	Score	812
Exons	7955..8062, 8304..8611		
GI Descrip.	3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50052	Seq. ID	OJ000118_13.0419.C5
Gene No.	106337	Strand	-
Start	3670	End	8611
Name	OJ000118_13.0419.C5.o2.tc	Method	TBLASTX:Cress
Start	7981	End	8584
GI	none	Score	144
Exons	7981..8088, 8276..8584, 8292..8570, 8471..8584		

Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106338	Strand	+
Start	152	End	340
Name	OJ000118_13.0419.C6.o1.gs	Method	GENSCAN
Start	152	End	340
GI	none	Score	.47
Exons	152..340		

Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106339	Strand	+
Start	544	End	7216
Name	OJ000118_13.0419.C6.o1.np	Method	AAT/NAP
Start	544	End	7216
GI	6523547	Score	188
Exons	544..661, 3021..3148, 4553..4657, 4761..5125, 6508..6577, 6628..6694, 6845..7216		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106340	Strand	+
Start	7390	End	8313
Name	OJ000118_13.0419.C6.o3.gs	Method	GENSCAN
Start	7390	End	7962
GI	none	Score	.68
Exons	7390..7551, 7818..7962		

Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106340	Strand	+
Start	7390	End	8313
Name	OJ000118_13.0419.C6.o2.np	Method	AAT/NAP
Start	7420	End	8313
GI	4733891	Score	605

Exons	7420..7587, 7625..7732, 7818..7962, 8062..8313		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		
Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106341	Strand	-
Start	570	End	770
Name	OJ000118_13.0419.C6.o1.gp	Method	AAT/GAP
Start	570	End	770
GI	3768568	Score	154
Exons	570..631, 735..770		
GI Descrip.	3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106342	Strand	-
Start	6456	End	6659
Name	OJ000118_13.0419.C6.o2.gp	Method	AAT/GAP
Start	6456	End	6659
GI	775_2.R1084	Score	266
Exons	6456..6659		
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		
Seq. No.	50053	Seq. ID	OJ000118_13.0419.C6
Gene No.	106343	Strand	
Start	7438	End	8246
Name	OJ000118_13.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	7438	End	8246
GI	none	Score	130
Exons	7438..7554, 7444..7530, 7624..7737, 7631..7732, 7650..7739, 7815..7940, 7817..7942, 7818..7937, 7819..7938, 7820..7939, 8056..8139, 8060..8146, 8118..8246, 8137..8217		
Seq. No.	50054	Seq. ID	OJ000118_13.0419.C7
Gene No.	106344	Strand	+
Start	57	End	4278
Name	OJ000118_13.0419.C7.o1.gs	Method	GENSCAN
Start	57	End	4278
GI	none	Score	.89
Exons	57..468, 2969..3104, 3813..4278		
Seq. No.	50054	Seq. ID	OJ000118_13.0419.C7
Gene No.	106345	Strand	-
Start	1	End	266
Name	OJ000118_13.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	266
GI	6594240	Score	103
Exons	1..266		
GI Descrip.	(AL133522) probable oxidoreductase, short chain dehydrogenase/reductase family [Schizosaccharomyces pombe]		
Seq. No.	50054	Seq. ID	OJ000118_13.0419.C7
Gene No.	106345	Strand	-
Start	1	End	266
Name	OJ000118_13.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	9	End	251
GI	none	Score	92

Exons	9..110, 13..105, 157..237, 159..251		
Seq. No.	50055	Seq. ID	OJ000118_13.0419.C8
Gene No.	106346	Strand	+
Start	63	End	266
Name	OJ000118_13.0419.C8.o1.gs	Method	GENSCAN
Start	63	End	266
GI	none	Score	1
Exons	63..266		
Seq. No.	50055	Seq. ID	OJ000118_13.0419.C8
Gene No.	106347	Strand	+
Start	2559	End	3450
Name	OJ000118_13.0419.C8.o3.gs	Method	GENSCAN
Start	2559	End	3152
GI	none	Score	.72
Exons	2559..2613, 3079..3152		
Seq. No.	50055	Seq. ID	OJ000118_13.0419.C8
Gene No.	106347	Strand	+
Start	2559	End	3450
Name	OJ000118_13.0419.C8.o1.gp	Method	AAT/GAP
Start	2945	End	3450
GI	38782_1.R1084	Score	799
Exons	2945..3450		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	50055	Seq. ID	OJ000118_13.0419.C8
Gene No.	106348	Strand	-
Start	1	End	1547
Name	OJ000118_13.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1547
GI	6907086	Score	1069
Exons	1..234, 460..701, 765..1547		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	50055	Seq. ID	OJ000118_13.0419.C8
Gene No.	106348	Strand	-
Start	1	End	1547
Name	OJ000118_13.0419.C8.o2.gs	Method	GENSCAN
Start	796	End	1375
GI	none	Score	1
Exons	796..1241, 1342..1375		
Seq. No.	50055	Seq. ID	OJ000118_13.0419.C8
Gene No.	106349	Strand	-
Start	2253	End	3786
Name	OJ000118_13.0419.C8.o2.np	Method	AAT/NAP
Start	2253	End	3786
GI	4680186	Score	158
Exons	2253..2668, 3141..3244, 3746..3786		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	50056	Seq. ID	OJ000118_13.0419.C9
Gene No.	106350	Strand	+
Start	1	End	1709

Name	OJ000118_13.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	1709
GI	7339707	Score	64
Exons	1..123, 1672..1709		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	50056	Seq. ID	OJ000118_13.0419.C9
Gene No.	106350	Strand	+
Start	1	End	1709
Name	OJ000118_13.0419.C9.o1.gs	Method	GENSCAN
Start	636	End	757
GI	none	Score	.97
Exons	636..757		

Seq. No.	50056	Seq. ID	OJ000118_13.0419.C9
Gene No.	106351	Strand	-
Start	1	End	1864
Name	OJ000118_13.0419.C9.o2.np	Method	AAT/NAP
Start	1	End	1864
GI	7106516	Score	119
Exons	1..19, 1065..1239, 1787..1864		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	50056	Seq. ID	OJ000118_13.0419.C9
Gene No.	106351	Strand	-
Start	1	End	1864
Name	OJ000118_13.0419.C9.o2.gs	Method	GENSCAN
Start	1049	End	1213
GI	none	Score	.45
Exons	1049..1213		

Seq. No.	50057	Seq. ID	OJ000118_13.0419.C10
Gene No.	106352	Strand	+
Start	138	End	3109
Name	OJ000118_13.0419.C10.o1.gs	Method	GENSCAN
Start	138	End	2975
GI	none	Score	.75
Exons	138..140, 2199..2372, 2526..2975		

Seq. No.	50057	Seq. ID	OJ000118_13.0419.C10
Gene No.	106352	Strand	+
Start	138	End	3109
Name	OJ000118_13.0419.C10.o2.np	Method	AAT/NAP
Start	2329	End	3109
GI	7340868	Score	170
Exons	2329..2506, 2869..3109		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	50057	Seq. ID	OJ000118_13.0419.C10
Gene No.	106353	Strand	-
Start	1	End	1320
Name	OJ000118_13.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	1320
GI	6907088	Score	875
Exons	1..270, 770..1007, 1183..1320		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50058	Seq. ID	OJ000118_13.0419.C11
Gene No.	106354	Strand	+
Start	49	End	1147
Name	OJ000118_13.0419.C11.o1.gs	Method	GENSCAN
Start	49	End	1147
GI	none	Score	.45
Exons	49..321, 576..1147		

Seq. No.	50059	Seq. ID	OJ000118_13.0419.C12
Gene No.	106355	Strand	-
Start	50	End	1923
Name	OJ000118_13.0419.C12.o1.gs	Method	GENSCAN
Start	50	End	1923
GI	none	Score	.4
Exons	50..257, 263..513, 1819..1923		

Seq. No.	50060	Seq. ID	OJ000118_13.0419.C13
Gene No.	106356	Strand	+
Start	1300	End	3553
Name	OJ000118_13.0419.C13.o1.gs	Method	GENSCAN
Start	1300	End	3553
GI	none	Score	.72
Exons	1300..1381, 1476..1539, 2954..3553		

Seq. No.	50060	Seq. ID	OJ000118_13.0419.C13
Gene No.	106357	Strand	-
Start	4863	End	6289
Name	OJ000118_13.0419.C13.o2.gs	Method	GENSCAN
Start	4863	End	6289
GI	none	Score	.77
Exons	4863..4874, 4928..5070, 6203..6289		

Seq. No.	50061	Seq. ID	OJ000118_13.0419.C14
Gene No.	106358	Strand	-
Start	2892	End	3631
Name	OJ000118_13.0419.C14.o1.gs	Method	GENSCAN
Start	2892	End	3631
GI	none	Score	.74
Exons	2892..2950, 3073..3211, 3292..3499, 3508..3631		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106359	Strand	+
Start	66	End	1142
Name	OJ000118_13.0419.C15.o1.gs	Method	GENSCAN
Start	66	End	1142
GI	none	Score	.54
Exons	66..144, 488..535, 658..733, 843..910, 1027..1142		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106360	Strand	+
Start	3331	End	4170
Name	OJ000118_13.0419.C15.o1.gp	Method	AAT/GAP
Start	3305	End	4170
GI	30223_1.R1084	Score	1666
Exons	3305..4170		
GI Descrip.	'4455270/emb|CAB36806.1| 2.0e-10 (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106360	Strand	+
Start	3331	End	4170
Name	OJ000118_13.0419.C15.o2.gs	Method	GENSCAN
Start	3331	End	3753
GI	none	Score	.81
Exons	3331..3753		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106360	Strand	+
Start	3331	End	4170
Name	OJ000118_13.0419.C15.o1.np	Method	AAT/NAP
Start	3349	End	3750
GI	7485648	Score	296
Exons	3349..3750		
GI Descrip.	hypothetical protein F17L22.80 - Arabidopsis thaliana gi|4455270|emb|CAB36806.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268959|emb|CAB81269.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106361	Strand	+
Start	13012	End	16173
Name	OJ000118_13.0419.C15.o4.gs	Method	GENSCAN
Start	13012	End	15983
GI	none	Score	.47
Exons	13012..13191, 13991..14129, 14363..14494, 14598..14790, 15094..15197, 15503..15536, 15711..15983		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106361	Strand	+
Start	13012	End	16173
Name	OJ000118_13.0419.C15.o4.np	Method	AAT/NAP
Start	14603	End	16173
GI	4680186	Score	184
Exons	14603..14767, 15342..15475, 16087..16173		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106362	Strand	-
Start	4680	End	13484
Name	OJ000118_13.0419.C15.o3.gs	Method	GENSCAN
Start	4680	End	12923
GI	none	Score	.77
Exons	4680..4859, 4941..5015, 5759..5870, 6124..6206, 6455..6702, 7359..7444, 8042..8121, 8221..8391, 8909..9010, 9502..9654, 10370..10486, 10626..10715, 10967..11106, 11267..11306, 11841..12050, 12125..12259, 12391..12551, 12710..12781, 12884..12923		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106362	Strand	-
Start	4680	End	13484
Name	OJ000118_13.0419.C15.o2.np	Method	AAT/NAP
Start	4683	End	7197
GI	5103840	Score	202

Exons	4683..4840, 4937..5015, 5759..5870, 6168..6206, 6455..6686, 7036..7197		
GI Descrip.	(AC007591) F9L1.38 [Arabidopsis thaliana]		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106362	Strand	-
Start	4680	End	13484
Name	OJ000118_13.0419.C15.o2.gp	Method	AAT/GAP
Start	5993	End	7121
GI	2310972	Score	709
Exons	5993..6014, 6124..6206, 6455..6702, 7020..7121		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106362	Strand	-
Start	4680	End	13484
Name	OJ000118_13.0419.C15.o3.np	Method	AAT/NAP
Start	7275	End	13484
GI	6175185	Score	311
Exons	7275..7334, 8044..8121, 8221..8391, 8909..9060, 9498..9654, 10370..10486, 10626..10715, 10967..11106, 12125..12259, 13357..13484		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106363	Strand	-
Start	14901	End	15326
Name	OJ000118_13.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	4651	End	6701
GI	none	Score	73
Exons	4651..4749, 4680..4751, 4680..4751, 4718..4819, 4749..4820, 4758..4820, 4935..5018, 4942..5016, 5759..5872, 5764..5874, 5764..5871, 6123..6179, 6124..6207, 6452..6559, 6453..6560, 6574..6675, 6615..6701, 6638..6676		

Seq. No.	50062	Seq. ID	OJ000118_13.0419.C15
Gene No.	106363	Strand	-
Start	14901	End	15326
Name	OJ000118_13.0419.C15.o3.gp	Method	AAT/GAP
Start	14901	End	15326
GI	4878407	Score	671
Exons	14901..15326		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	50063	Seq. ID	OJ000118_13.0419.C16
Gene No.	106364	Strand	+
Start	2026	End	5593
Name	OJ000118_13.0419.C16.o1.np	Method	AAT/NAP
Start	2026	End	5131
GI	7106512	Score	1870
Exons	2026..2085, 2159..2309, 2547..3733, 3855..5131		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50063	Seq. ID	OJ000118_13.0419.C16
Gene No.	106364	Strand	+
Start	2026	End	5593

Name	OJ000118_13.0419.C16.o1.gs	Method	GENSCAN
Start	2159	End	3221
GI	none	Score	.68
Exons	2159..2219, 2303..2707, 2856..3221		

Seq. No.	50063	Seq. ID	OJ000118_13.0419.C16
Gene No.	106364	Strand	+
Start	2026	End	5593
Name	OJ000118_13.0419.C16.o2.gs	Method	GENSCAN
Start	4129	End	5593
GI	none	Score	.75
Exons	4129..4723, 5235..5593		

Seq. No.	50063	Seq. ID	OJ000118_13.0419.C16
Gene No.	106365	Strand	+
Start	5560	End	5989
Name	OJ000118_13.0419.C16.o2.gp	Method	AAT/GAP
Start	5560	End	5989
GI	61605_1.R1084	Score	583
Exons	5560..5989		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50063	Seq. ID	OJ000118_13.0419.C16
Gene No.	106366	Strand	+
Start	7468	End	7570
Name	OJ000118_13.0419.C16.o3.gp	Method	AAT/GAP
Start	7468	End	7570
GI	5816518	Score	142
Exons	7468..7570		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	50063	Seq. ID	OJ000118_13.0419.C16
Gene No.	106367	Strand	-
Start	1761	End	1871
Name	OJ000118_13.0419.C16.o1.gp	Method	AAT/GAP
Start	1761	End	1871
GI	5816518	Score	154
Exons	1761..1871		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	50064	Seq. ID	OJ000118_13.0419.C17
Gene No.	106368	Strand	+
Start	143	End	564
Name	OJ000118_13.0419.C17.o1.gs	Method	GENSCAN
Start	143	End	564
GI	none	Score	.66
Exons	143..232, 529..564		

Seq. No.	50064	Seq. ID	OJ000118_13.0419.C17
Gene No.	106369	Strand	-
Start	1555	End	3434
Name	OJ000118_13.0419.C17.o2.gs	Method	GENSCAN
Start	1555	End	3434
GI	none	Score	.8

Exons	1555..1911, 3348..3434		
Seq. No.	50065	Seq. ID	OJ000118_13.0419.C18
Gene No.	106370	Strand	+
Start	1178	End	1248
Name	OJ000118_13.0419.C18.o1.gp	Method	AAT/GAP
Start	1178	End	1248
GI	4715947	Score	78
Exons	1178..1248		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		
Seq. No.	50065	Seq. ID	OJ000118_13.0419.C18
Gene No.	106371	Strand	+
Start	1459	End	3533
Name	OJ000118_13.0419.C18.o1.np	Method	AAT/NAP
Start	1459	End	3533
GI	5107829	Score	243
Exons	1459..1568, 2851..3157, 3392..3533		
GI Descrip.	(AF149413) contains similarity to several Arabidopsis thaliana hypothetical proteins including GB:U95973 and GB:AC002392		
Seq. No.	50065	Seq. ID	OJ000118_13.0419.C18
Gene No.	106371	Strand	+
Start	1459	End	3533
Name	OJ000118_13.0419.C18.o1.gs	Method	GENSCAN
Start	2554	End	3147
GI	none	Score	.52
Exons	2554..3147		
Seq. No.	50065	Seq. ID	OJ000118_13.0419.C18
Gene No.	106371	Strand	+
Start	1459	End	3533
Name	OJ000118_13.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	2890	End	3156
GI	none	Score	157
Exons	2890..3051, 2973..3050, 3046..3156		
Seq. No.	50066	Seq. ID	OJ000118_13.0419.C19
Gene No.	106372	Strand	+
Start	661	End	844
Name	OJ000118_13.0419.C19.o1.gs	Method	GENSCAN
Start	661	End	844
GI	none	Score	.85
Exons	661..844		
Seq. No.	50067	Seq. ID	OJ000118_13.0419.C20
Gene No.	106373	Strand	+
Start	71	End	221
Name	OJ000118_13.0419.C20.o1.gs	Method	GENSCAN
Start	71	End	221
GI	none	Score	.49
Exons	71..78, 110..221		

Seq. No.	50068	Seq. ID	OJ000118_13.0419.C21
Gene No.	106374	Strand	+
Start	1	End	830
Name	OJ000118_13.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	830
GI	7442091	Score	62
Exons	1..60, 270..320, 453..683, 718..830		
GI Descrip.	proline-rich protein F25E4.50 - Arabidopsis thaliana gi|7321040|emb|CAB82148.1| (AL050399) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106375	Strand	+
Start	409	End	2358
Name	OJ000118_13.0419.C22.o1.np	Method	AAT/NAP
Start	409	End	2107
GI	2801442	Score	276
Exons	409..447, 1814..1927, 2015..2107		
GI Descrip.	(AF028338) ubiquitin-conjugating enzyme 15 [Arabidopsis thaliana]		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106375	Strand	+
Start	409	End	2358
Name	OJ000118_13.0419.C22.o1.gp	Method	AAT/GAP
Start	1823	End	2358
GI	500_1.R1084	Score	761
Exons	1823..1927, 2015..2358		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106376	Strand	+
Start	3169	End	7220
Name	OJ000118_13.0419.C22.o1.gs	Method	GENSCAN
Start	3169	End	6889
GI	none	Score	.72
Exons	3169..3568, 3860..3892, 4995..5111, 5171..5211, 5749..5895, 6645..6742, 6778..6889		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106376	Strand	+
Start	3169	End	7220
Name	OJ000118_13.0419.C22.o3.np	Method	AAT/NAP
Start	5489	End	7220
GI	6069659	Score	114
Exons	5489..5509, 7041..7145, 7191..7220		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106376	Strand	+
Start	3169	End	7220
Name	OJ000118_13.0419.C22.o2.np	Method	AAT/NAP
Start	6332	End	7220
GI	6907088	Score	541
Exons	6332..6469, 6645..6883, 7194..7220		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106377	Strand	+
Start	7142	End	7220
Name	OJ000118_13.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	1812	End	2110
GI	none	Score	68
Exons	1812..1925, 1822..1926, 1823..1927, 1838..1948, 2012..2110, 2014..2109		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106377	Strand	+
Start	7142	End	7220
Name	OJ000118_13.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	1822	End	2110
GI	none	Score	160
Exons	1822..1926, 1823..1927, 2012..2110, 2014..2106		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106377	Strand	+
Start	7142	End	7220
Name	OJ000118_13.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	1822	End	2369
GI	none	Score	165
Exons	1822..1926, 1823..1927, 1838..1927, 2012..2110, 2014..2109, 2154..2183, 2164..2229, 2232..2369		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106377	Strand	+
Start	7142	End	7220
Name	OJ000118_13.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	1822	End	2050
GI	none	Score	165
Exons	1822..1926, 1823..1927, 2012..2050, 2014..2049		

Seq. No.	50069	Seq. ID	OJ000118_13.0419.C22
Gene No.	106377	Strand	+
Start	7142	End	7220
Name	OJ000118_13.0419.C22.o2.gp	Method	AAT/GAP
Start	7142	End	7220
GI	5667165	Score	154
Exons	7142..7220		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	351
GI	6907086	Score	359
Exons	1..351		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230

Name	OJ000118_13.0419.C23.o1.gs	Method	GENSCAN
Start	40	End	4230
GI	none	Score	.56
Exons	40..307, 348..534, 686..732, 1489..1580, 2573..2811, 2869..3128, 3868..4016, 4102..4230		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o2.np	Method	AAT/NAP
Start	1290	End	3136
GI	6562252	Score	694
Exons	1290..1754, 2573..2811, 2888..3136		
GI Descrip.	(AL132980) epoxide hydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	1296	End	1700
GI	none	Score	40
Exons	1296..1358, 1340..1438, 1368..1700		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	1301	End	1694
GI	none	Score	378
Exons	1301..1468, 1302..1694, 1393..1473, 1580..1693		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	1302	End	3040
GI	none	Score	166
Exons	1302..1478, 1313..1468, 1530..1697, 1728..1754, 2570..2671, 2575..2655, 2647..2814, 2651..2809, 2678..2815, 2680..2811, 2889..2927, 2915..2968, 2923..2967, 2981..3040		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	1542	End	2734
GI	none	Score	149
Exons	1542..1727, 1574..1726, 1576..1752, 1726..1755, 1727..1756, 2567..2698, 2570..2734, 2572..2733		

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	2575	End	3198
GI	none	Score	356
Exons	2575..2844, 2576..2812, 2889..2927, 2917..3198, 2918..3151,		

2920..3153

Seq. No.	50070	Seq. ID	OJ000118_13.0419.C23
Gene No.	106378	Strand	+
Start	1	End	4230
Name	OJ000118_13.0419.C23.o1.gp	Method	AAT/GAP
Start	3086	End	3555
GI	none	Score	295
Exons	3086..3128, 3417..3555		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o1.gp	Method	AAT/GAP
Start	8056	End	10412
GI	none	Score	1440
Exons	8056..8356, 9281..9361, 10053..10412		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o1.np	Method	AAT/NAP
Start	9224	End	11979
GI	4544389	Score	653
Exons	9224..9270, 10789..10878, 10933..11060, 11277..11653, 11734..11794, 11930..11979		
GI Descrip.	(AC007047) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o4.tm	Method	TBLASTX:Maize
Start	10179	End	10382
GI	none	Score	255
Exons	10179..10382, 10181..10381		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o2.gs	Method	GENSCAN
Start	10200	End	11794
GI	none	Score	.92
Exons	10200..11060, 11277..11653, 11734..11794		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o2.tm	Method	TBLASTX:Maize
Start	10441	End	10795
GI	none	Score	335
Exons	10441..10695, 10467..10733, 10467..10742, 10468..10734, 10737..10793, 10745..10795		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979

Name	OJ000118_13.0419.C24.o2.gp	Method	AAT/GAP
Start	10566	End	11052
GI	none	Score	908
Exons	10566..11052		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	10797	End	11977
GI	none	Score	49
Exons	10797..10856, 10860..11063, 11274..11438, 11288..11470, 11502..11654, 11576..11656, 11734..11796, 11735..11800, 11927..11977		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o3.tm	Method	TBLASTX:Maize
Start	10808	End	11037
GI	none	Score	308
Exons	10808..11035, 10809..11036, 10819..11037		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	11274	End	11979
GI	none	Score	464
Exons	11274..11654, 11276..11659, 11276..11656, 11734..11793, 11735..11800, 11927..11977, 11929..11979		

Seq. No.	50071	Seq. ID	OJ000118_13.0419.C24
Gene No.	106379	Strand	+
Start	8056	End	11979
Name	OJ000118_13.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	11274	End	11977
GI	none	Score	187
Exons	11274..11438, 11276..11452, 11276..11488, 11499..11654, 11525..11659, 11528..11653, 11556..11657, 11735..11800, 11737..11796, 11926..11976, 11927..11977		

Seq. No.	50072	Seq. ID	OJ000118_13.0419.C25
Gene No.	106380	Strand	+
Start	26	End	472
Name	OJ000118_13.0419.C25.o1.gp	Method	AAT/GAP
Start	26	End	358
GI	none	Score	624
Exons	26..358		

Seq. No.	50072	Seq. ID	OJ000118_13.0419.C25
Gene No.	106380	Strand	+
Start	26	End	472
Name	OJ000118_13.0419.C25.o1.gs	Method	GENSCAN
Start	194	End	472
GI	none	Score	.89
Exons	194..472		

Seq. No.	50072	Seq. ID	OJ000118_13.0419.C25
Gene No.	106381	Strand	-
Start	202	End	775
Name	OJ000118_13.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	12	End	747
GI	none	Score	56
Exons	12..62, 14..55, 68..160, 69..188, 79..162, 84..191, 194..298, 199..303, 199..288, 212..292, 311..433, 311..391, 319..432, 380..472, 423..473, 424..474, 588..704, 709..747		

Seq. No.	50072	Seq. ID	OJ000118_13.0419.C25
Gene No.	106381	Strand	-
Start	202	End	775
Name	OJ000118_13.0419.C25.o2.gp	Method	AAT/GAP
Start	202	End	775
GI	none	Score	806
Exons	202..775		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106382	Strand	+
Start	5266	End	5708
Name	OJ000118_13.0419.C26.o2.gp	Method	AAT/GAP
Start	5266	End	5708
GI	none	Score	697
Exons	5266..5708		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106383	Strand	+
Start	12582	End	15845
Name	OJ000118_13.0419.C26.o6.np	Method	AAT/NAP
Start	12582	End	15845
GI	4006827	Score	69
Exons	12582..12686, 15578..15845		
GI Descrip.	(AC005970) putative serine protease [Arabidopsis thaliana]		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106384	Strand	-
Start	1	End	7264
Name	OJ000118_13.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	4269
GI	6175185	Score	403
Exons	1..40, 134..303, 972..1059, 1310..1530, 1934..2056, 2187..2276, 2574..2717, 3460..3588, 3701..3870, 4184..4269		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106384	Strand	-
Start	1	End	7264
Name	OJ000118_13.0419.C26.o1.gs	Method	GENSCAN
Start	145	End	7264
GI	none	Score	.52
Exons	145..303, 972..1088, 1378..1530, 1934..2056, 2187..2276, 2574..2713, 3453..3587, 3697..3870, 4184..4255, 4366..4447, 5477..6158, 6855..6994, 7136..7264		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26

Gene No.	106384	Strand	-
Start	1	End	7264
Name	OJ000118_13.0419.C26.o1.gp	Method	AAT/GAP
Start	3533	End	4462
GI	3061064	Score	708
Exons	3533..3587, 3697..3870, 4184..4255, 4366..4462		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106384	Strand	-
Start	1	End	7264
Name	OJ000118_13.0419.C26.o2.np	Method	AAT/NAP
Start	5444	End	6151
GI	7486265	Score	534
Exons	5444..6151		
GI Descrip.	hypothetical protein F27L4.4 - Arabidopsis thaliana gi|3152606|gb|AAC17085.1| (AC004482) putative C3HC4-type RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106385	Strand	-
Start	10809	End	13705
Name	OJ000118_13.0419.C26.o3.gs	Method	GENSCAN
Start	10809	End	13705
GI	none	Score	.7
Exons	10809..10936, 11629..11783, 12218..12313, 12850..12920, 13364..13705		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106385	Strand	-
Start	10809	End	13705
Name	OJ000118_13.0419.C26.o3.np	Method	AAT/NAP
Start	11590	End	13664
GI	6069646	Score	944
Exons	11590..12574, 12857..13664		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o5.tm	Method	TBLASTX:Maize
Start	5435	End	5786
GI	none	Score	85
Exons	5435..5527, 5435..5521, 5439..5531, 5594..5767, 5607..5768, 5628..5786, 5633..5785		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	5614	End	6077
GI	none	Score	53
Exons	5614..5685, 5616..5684, 5678..6076, 5685..5867, 5943..6077		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o1.tc	Method	TBLASTX:Cress
Start	5816	End	6077
GI	none	Score	60
Exons	5816..6076, 5817..5879, 5943..6077		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o2.tm	Method	TBLASTX:Maize
Start	5864	End	6077
GI	none	Score	204
Exons	5864..6076, 5943..6077		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o2.tw	Method	TBLASTX:Wheat
Start	5900	End	6076
GI	none	Score	119
Exons	5900..6076, 5946..6074		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o6.tm	Method	TBLASTX:Maize
Start	11605	End	12177
GI	none	Score	111
Exons	11605..11799, 11872..12177, 11906..12058		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o7.tm	Method	TBLASTX:Maize
Start	12285	End	12577
GI	none	Score	39
Exons	12285..12311, 12326..12391, 12398..12577, 12399..12569		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o2.ts	Method	TBLASTX:Soybean
Start	12498	End	13015
GI	none	Score	76
Exons	12498..12638, 12506..12604, 12635..12673, 12665..12826, 12857..13015		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o1.tw	Method	TBLASTX:Wheat
Start	12554	End	12992
GI	none	Score	47
Exons	12554..12679, 12558..12647, 12692..12991, 12705..12992		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o3.tm	Method	TBLASTX:Maize
Start	12635	End	13243
GI	none	Score	388
Exons	12635..13243		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	13250	End	13666
GI	none	Score	229
Exons	13250..13666, 13251..13646		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o4.tw	Method	TBLASTX:Wheat
Start	13421	End	13756
GI	none	Score	82
Exons	13421..13603, 13616..13756		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o4.tm	Method	TBLASTX:Maize
Start	13863	End	14261
GI	none	Score	66
Exons	13863..14261, 13866..14063, 13870..14118		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o3.tw	Method	TBLASTX:Wheat
Start	14256	End	14645
GI	none	Score	229
Exons	14256..14645		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o4.gs	Method	GENSCAN
Start	14340	End	16634
GI	none	Score	.53
Exons	14340..14842, 14983..15162, 15280..15538, 15588..15756, 16114..16340, 16434..16511, 16596..16634		

Seq. No.	50073	Seq. ID	OJ000118_13.0419.C26
Gene No.	106386	Strand	-
Start	14340	End	16634
Name	OJ000118_13.0419.C26.o8.tm	Method	TBLASTX:Maize
Start	14475	End	14745
GI	none	Score	71
Exons	14475..14579, 14583..14720, 14602..14745		

Seq. No.	50074	Seq. ID	OJ000118_13.0419.C27
Gene No.	106387	Strand	-
Start	41	End	704
Name	OJ000118_13.0419.C27.o1.gs	Method	GENSCAN
Start	41	End	704
GI	none	Score	.86
Exons	41..704		

Seq. No.	50075	Seq. ID	OJ000118_13.0419.C28
Gene No.	106388	Strand	+
Start	341	End	730
Name	OJ000118_13.0419.C28.o1.gs	Method	GENSCAN
Start	341	End	730
GI	none	Score	.43
Exons	341..730		

Seq. No.	50076	Seq. ID	OJ000118_13.0419.C29
Gene No.	106389	Strand	+
Start	863	End	927
Name	OJ000118_13.0419.C29.o1.gs	Method	GENSCAN
Start	863	End	927
GI	none	Score	.6
Exons	863..927		

Seq. No.	50077	Seq. ID	OJ000118_13.0419.C30
Gene No.	106390	Strand	-
Start	1	End	701
Name	OJ000118_13.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	701
GI	6907086	Score	401
Exons	1..701		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50077	Seq. ID	OJ000118_13.0419.C30
Gene No.	106390	Strand	-
Start	1	End	701
Name	OJ000118_13.0419.C30.o1.gs	Method	GENSCAN
Start	56	End	481
GI	none	Score	.6
Exons	56..481		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106391	Strand	+
Start	3537	End	6261
Name	OJ000328_05.0417.C2.o1.gp	Method	AAT/GAP
Start	3509	End	3934
GI	43680_1.R1084	Score	784
Exons	3509..3934		
GI Descrip.	'1272347 6.0e-16 (U51739) secreted glycoprotein 2 [Ipomoea trifida]'		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106391	Strand	+
Start	3537	End	6261
Name	OJ000328_05.0417.C2.o1.np	Method	AAT/NAP
Start	3528	End	6105
GI	7428024	Score	1604

Exons	3528..3944, 3972..6105		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) T20K24.15 precursor - Arabidopsis thaliana gi|3176715|gb|AAD12030.1| (AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106391	Strand	+
Start	3537	End	6261
Name	OJ000328_05.0417.C2.o2.gs	Method	GENSCAN
Start	3537	End	6068
GI	none	Score	1
Exons	3537..6068		
Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106391	Strand	+
Start	3537	End	6261
Name	OJ000328_05.0417.C2.o2.gp	Method	AAT/GAP
Start	5607	End	6261
GI	70408_1.R1084	Score	1228
Exons	5607..6261		
GI Descrip.	'3445397/emb|CAA09029.1| 4.0e-19 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		
Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o4.ts	Method	TBLASTX:Soybean
Start	3594	End	3779
GI	none	Score	187
Exons	3594..3779, 3635..3772		
Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o1.tc	Method	TBLASTX:Cress
Start	3632	End	5972
GI	none	Score	98
Exons	3632..3679, 3693..3824, 3707..3823, 4011..4052, 4095..4145, 4170..4268, 4350..4586, 4644..4736, 5066..5134, 5141..5338, 5142..5327, 5376..5696, 5378..5695, 5739..5972, 5846..5953		
Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o3.ts	Method	TBLASTX:Soybean
Start	4014	End	4547
GI	none	Score	99
Exons	4014..4190, 4182..4259, 4371..4547		
Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o2.tw	Method	TBLASTX:Wheat
Start	4410	End	4775
GI	none	Score	163
Exons	4410..4598, 4430..4597, 4671..4775, 4682..4774		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o1.ts	Method	TBLASTX:Soybean
Start	4989	End	5504
GI	none	Score	373
Exons	4989..5345, 5006..5329, 5357..5494, 5376..5504		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o2.tm	Method	TBLASTX:Maize
Start	5034	End	5348
GI	none	Score	101
Exons	5034..5156, 5066..5155, 5141..5341, 5142..5348		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o1.tw	Method	TBLASTX:Wheat
Start	5202	End	5639
GI	none	Score	114
Exons	5202..5330, 5237..5338, 5358..5576, 5381..5551, 5577..5639		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o1.tm	Method	TBLASTX:Maize
Start	5375	End	6050
GI	none	Score	510
Exons	5375..5698, 5376..5720, 5709..5987, 5736..5999, 5990..6049, 5991..6050		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o2.ts	Method	TBLASTX:Soybean
Start	5511	End	5954
GI	none	Score	44
Exons	5511..5546, 5567..5695, 5568..5696, 5811..5954		

Seq. No.	50078	Seq. ID	OJ000328_05.0417.C2
Gene No.	106392	Strand	-
Start	7333	End	8005
Name	OJ000328_05.0417.C2.o3.gs	Method	GENSCAN
Start	7333	End	8005
GI	none	Score	.8
Exons	7333..7371, 7409..7563, 7954..8005		

Seq. No.	50079	Seq. ID	OJ000328_05.0417.C4
Gene No.	106393	Strand	-
Start	1165	End	1942
Name	OJ000328_05.0417.C4.o1.np	Method	AAT/NAP
Start	1153	End	1942
GI	6523083	Score	502
Exons	1153..1648, 1676..1942		
GI Descrip.	(AL133315) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	50079	Seq. ID	OJ000328_05.0417.C4
Gene No.	106393	Strand	-
Start	1165	End	1942
Name	OJ000328_05.0417.C4.o1.gs	Method	GENSCAN
Start	1165	End	1848
GI	none	Score	.53
Exons	1165..1848		

Seq. No.	50079	Seq. ID	OJ000328_05.0417.C4
Gene No.	106393	Strand	-
Start	1165	End	1942
Name	OJ000328_05.0417.C4.o1.tc	Method	TBLASTX:Cress
Start	1174	End	1611
GI	none	Score	74
Exons	1174..1368, 1286..1366, 1408..1611, 1445..1576		

Seq. No.	50079	Seq. ID	OJ000328_05.0417.C4
Gene No.	106393	Strand	-
Start	1165	End	1942
Name	OJ000328_05.0417.C4.o1.ts	Method	TBLASTX:Soybean
Start	1174	End	1882
GI	none	Score	103
Exons	1174..1377, 1175..1360, 1408..1632, 1456..1548, 1684..1881, 1739..1882		

Seq. No.	50079	Seq. ID	OJ000328_05.0417.C4
Gene No.	106393	Strand	-
Start	1165	End	1942
Name	OJ000328_05.0417.C4.o1.tm	Method	TBLASTX:Maize
Start	1276	End	1874
GI	none	Score	90
Exons	1276..1638, 1279..1359, 1292..1366, 1456..1539, 1499..1612, 1684..1830, 1739..1795, 1834..1869, 1839..1874		

Seq. No.	50079	Seq. ID	OJ000328_05.0417.C4
Gene No.	106393	Strand	-
Start	1165	End	1942
Name	OJ000328_05.0417.C4.o1.tw	Method	TBLASTX:Wheat
Start	1417	End	1833
GI	none	Score	81
Exons	1417..1638, 1499..1612, 1684..1833, 1739..1795		

Seq. No.	50080	Seq. ID	OJ000328_05.0417.C5
Gene No.	106394	Strand	+
Start	1	End	1982
Name	OJ000328_05.0417.C5.o1.np	Method	AAT/NAP
Start	1	End	1982
GI	6069646	Score	893
Exons	1..42, 1256..1982		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50080	Seq. ID	OJ000328_05.0417.C5

Gene No.	106395	Strand	-
Start	71	End	445
Name	OJ000328_05.0417.C5.o1.gs	Method	GENSCAN
Start	71	End	445
GI	none	Score	.6
Exons	71..445		

Seq. No.	50080	Seq. ID	OJ000328_05.0417.C5
Gene No.	106396	Strand	-
Start	1449	End	4452
Name	OJ000328_05.0417.C5.o1.tm	Method	TBLASTX:Maize
Start	1449	End	1967
GI	none	Score	200
Exons	1449..1742, 1529..1741, 1758..1967		

Seq. No.	50080	Seq. ID	OJ000328_05.0417.C5
Gene No.	106396	Strand	-
Start	1449	End	4452
Name	OJ000328_05.0417.C5.o2.gs	Method	GENSCAN
Start	1449	End	4142
GI	none	Score	.46
Exons	1449..1744, 1795..1914, 2368..2545, 3621..4142		

Seq. No.	50080	Seq. ID	OJ000328_05.0417.C5
Gene No.	106396	Strand	-
Start	1449	End	4452
Name	OJ000328_05.0417.C5.o1.tw	Method	TBLASTX:Wheat
Start	1521	End	1856
GI	none	Score	163
Exons	1521..1700, 1821..1856		

Seq. No.	50080	Seq. ID	OJ000328_05.0417.C5
Gene No.	106396	Strand	-
Start	1449	End	4452
Name	OJ000328_05.0417.C5.o2.np	Method	AAT/NAP
Start	2672	End	4452
GI	6907086	Score	1206
Exons	2672..2853, 2898..3050, 3084..3152, 3382..3607, 3671..4452		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50081	Seq. ID	OJ000328_05.0417.C6
Gene No.	106397	Strand	+
Start	4596	End	6349
Name	OJ000328_05.0417.C6.o3.np	Method	AAT/NAP
Start	4596	End	6349
GI	7340909	Score	207
Exons	4596..4621, 5843..6274, 6306..6349		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	50081	Seq. ID	OJ000328_05.0417.C6
Gene No.	106398	Strand	-
Start	328	End	6231
Name	OJ000328_05.0417.C6.o1.gs	Method	GENSCAN
Start	328	End	6231
GI	none	Score	.65
Exons	328..445, 1205..1354, 1478..1720, 1823..2080, 3368..3422, 3453..4236, 4603..4664, 5425..5570, 5711..5714, 6065..6231		

Seq. No.	50081	Seq. ID	OJ000328_05.0417.C6
Gene No.	106398	Strand	-
Start	328	End	6231
Name	OJ000328_05.0417.C6.o2.np	Method	AAT/NAP
Start	1508	End	2035
GI	6005788	Score	139
Exons	1508..1720, 1823..2035		
GI Descrip.	imidazoline receptor candidate gi|3462807|gb|AAC33104.1| (AF082516) I-1 receptor candidate protein [Homo sapiens]		

Seq. No.	50081	Seq. ID	OJ000328_05.0417.C6
Gene No.	106398	Strand	-
Start	328	End	6231
Name	OJ000328_05.0417.C6.o1.tc	Method	TBLASTX:Cress
Start	1983	End	3796
GI	none	Score	73
Exons	1983..2081, 1988..2080, 3350..3472, 3351..3434, 3518..3556, 3557..3796		

Seq. No.	50081	Seq. ID	OJ000328_05.0417.C6
Gene No.	106398	Strand	-
Start	328	End	6231
Name	OJ000328_05.0417.C6.o1.ts	Method	TBLASTX:Soybean
Start	3605	End	3796
GI	none	Score	70
Exons	3605..3796, 3653..3793		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106399	Strand	+
Start	1496	End	1935
Name	OJ000328_05.0417.C7.o1.gp	Method	AAT/GAP
Start	1496	End	1935
GI	none	Score	620
Exons	1496..1935		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o2.np	Method	AAT/NAP
Start	2897	End	26510
GI	6979337	Score	92
Exons	2897..2931, 7162..7504, 16523..16644, 26452..26510		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o2.gs	Method	GENSCAN
Start	4544	End	5747
GI	none	Score	.82
Exons	4544..5019, 5105..5402, 5537..5650, 5706..5747		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o3.gs	Method	GENSCAN

Start	7151	End	9884
GI	none	Score	.65
Exons	7151..8377, 8614..8838, 8903..9042, 9599..9884		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o5.gs	Method	GENSCAN
Start	11888	End	17133
GI	none	Score	.67
Exons	11888..11935, 12040..12194, 12313..12476, 12601..12752, 13468..13575, 13806..14655, 14891..14939, 14997..15375, 16016..16061, 17045..17133		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o3.np	Method	AAT/NAP
Start	15573	End	16107
GI	7523517	Score	344
Exons	15573..15878, 16029..16107		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o4.np	Method	AAT/NAP
Start	15674	End	18618
GI	4680186	Score	197
Exons	15674..15705, 17048..17286, 18577..18618		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o5.np	Method	AAT/NAP
Start	19053	End	20697
GI	6907086	Score	459
Exons	19053..19810, 19870..20024, 20061..20209, 20353..20697		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o7.gs	Method	GENSCAN
Start	23810	End	24677
GI	none	Score	.48
Exons	23810..23881, 24237..24365, 24444..24677		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o7.np	Method	AAT/NAP
Start	25281	End	27138
GI	6006359	Score	61
Exons	25281..25390, 27109..27138		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o8.gs	Method	GENSCAN
Start	26566	End	28978
GI	none	Score	.95
Exons	26566..26630, 26795..26949, 27489..27638, 27936..28021, 28419..28513, 28620..28745, 28840..28978		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106400	Strand	+
Start	2897	End	28987
Name	OJ000328_05.0417.C7.o8.np	Method	AAT/NAP
Start	26847	End	28987
GI	2459421	Score	475
Exons	26847..26949, 27489..27638, 27936..28021, 28419..28525, 28632..28745, 28840..28987		
GI Descrip.	(AC002332) putative calcium-binding EF-hand protein [Arabidopsis thaliana]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106401	Strand	+
Start	30212	End	33055
Name	OJ000328_05.0417.C7.o9.gs	Method	GENSCAN
Start	30212	End	32557
GI	none	Score	.78
Exons	30212..30220, 30357..30514, 30516..30693, 31502..31621, 31746..31841, 32204..32328, 32415..32557		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106401	Strand	+
Start	30212	End	33055
Name	OJ000328_05.0417.C7.o9.np	Method	AAT/NAP
Start	30604	End	33055
GI	7441919	Score	280
Exons	30604..30693, 31502..31570, 31746..31841, 32207..32328, 32415..32652, 33012..33055		
GI Descrip.	heat shock protein dnaJ - Synechocystis sp. (strain PCC 6803) gi|1001370|dbj|BAA10860.1| (D64006) DnaJ [Synechocystis sp.]		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106402	Strand	-
Start	44	End	4825
Name	OJ000328_05.0417.C7.o1.gs	Method	GENSCAN
Start	44	End	3719
GI	none	Score	.4
Exons	44..327, 1088..1156, 1771..3602, 3684..3719		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106402	Strand	-
Start	44	End	4825
Name	OJ000328_05.0417.C7.o1.np	Method	AAT/NAP
Start	761	End	4825
GI	7487354	Score	1686
Exons	761..807, 1781..3551, 4805..4825		
GI Descrip.	hypothetical protein T22J18.10 - Arabidopsis thaliana		

gi|3287683|gb|AAC25511.1| (AC003979) Similar to apoptosis protein MA-3 gb|D50465 from Mus musculus. [Arabidopsis thaliana]

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106402	Strand	-
Start	44	End	4825
Name	OJ000328_05.0417.C7.o2.gp	Method	AAT/GAP
Start	3115	End	4031
GI	29542_1.R1084	Score	1621
Exons	3115..3602, 3684..4031		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 7.0e-35 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106403	Strand	-
Start	10691	End	11389
Name	OJ000328_05.0417.C7.o4.gs	Method	GENSCAN
Start	10691	End	11389
GI	none	Score	.94
Exons	10691..11097, 11260..11389		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106404	Strand	-
Start	18306	End	19739
Name	OJ000328_05.0417.C7.o6.gs	Method	GENSCAN
Start	18306	End	19739
GI	none	Score	.68
Exons	18306..18412, 19115..19739		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106405	Strand	-
Start	21857	End	21941
Name	OJ000328_05.0417.C7.o1.tm	Method	TBLASTX:Maize
Start	1783	End	3554
GI	none	Score	71
Exons	1783..1932, 1788..2141, 1788..2036, 1789..1932, 1818..2141, 1818..2129, 1986..2159, 1990..2085, 1990..2160, 2166..2201, 2167..2190, 2292..2438, 2451..2543, 2451..2552, 2452..2541, 2455..2532, 2566..2619, 2571..2657, 2571..2651, 2691..2894, 2716..2895, 2724..2894, 2742..2903, 2776..2904, 2916..3140, 2916..3071, 2919..3554, 2920..3450, 2920..3114, 3144..3554, 3207..3548, 3207..3338, 3211..3522, 3402..3548		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106405	Strand	-
Start	21857	End	21941
Name	OJ000328_05.0417.C7.o1.tc	Method	TBLASTX:Cress
Start	1788	End	3554
GI	none	Score	116
Exons	1788..2000, 1986..2159, 1990..2160, 2166..2201, 2298..2438, 2445..2543, 2571..2696, 2724..2894, 2776..2865, 2916..3149, 2916..3068, 2920..3120, 3144..3554, 3160..3420, 3207..3353, 3402..3548		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106405	Strand	-
Start	21857	End	21941

Name	OJ000328_05.0417.C7.o1.ts	Method	TBLASTX:Soybean
Start	1788	End	3575
GI	none	Score	58
Exons	1788..2000, 1788..1907, 1792..1917, 1986..2159, 1990..2160, 2166..2201, 2283..2438, 2451..2543, 2458..2541, 2569..2628, 2571..2678, 2703..2897, 2703..2831, 2713..2832, 2773..2889, 2916..3149, 2920..3114, 3144..3575, 3145..3435, 3207..3425, 3408..3548		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106405	Strand	-
Start	21857	End	21941
Name	OJ000328_05.0417.C7.o2.tw	Method	TBLASTX:Wheat
Start	1818	End	3416
GI	none	Score	136
Exons	1818..2003, 2292..2438, 2445..2504, 2697..2903, 3087..3140, 3144..3416, 3145..3414		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106405	Strand	-
Start	21857	End	21941
Name	OJ000328_05.0417.C7.o3.tm	Method	TBLASTX:Maize
Start	12155	End	12354
GI	none	Score	80
Exons	12155..12277, 12210..12293, 12292..12354		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106405	Strand	-
Start	21857	End	21941
Name	OJ000328_05.0417.C7.o6.np	Method	AAT/NAP
Start	21857	End	21941
GI	6721547	Score	92
Exons	21857..21941		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106406	Strand	
Start	26868	End	28972
Name	OJ000328_05.0417.C7.o2.tc	Method	TBLASTX:Cress
Start	26868	End	28948
GI	none	Score	73
Exons	26868..26948, 27524..27640, 27526..27684, 28392..28517, 28418..28516, 28422..28538, 28618..28746, 28627..28752, 28841..28948, 28846..28935		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106406	Strand	
Start	26868	End	28972
Name	OJ000328_05.0417.C7.o2.tm	Method	TBLASTX:Maize
Start	26868	End	28914
GI	none	Score	100
Exons	26868..26948, 26870..26950, 26902..26967, 27483..27545, 27488..27568, 27517..27651, 27518..27640, 27926..28021, 27929..28021, 27934..28029, 27934..28029, 28392..28517, 28417..28518, 28418..28513, 28422..28514, 28617..28754, 28618..28746, 28619..28747, 28838..28912, 28841..28912, 28849..28914, 28854..28913		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106406	Strand	
Start	26868	End	28972
Name	OJ000328_05.0417.C7.o2.ts	Method	TBLASTX:Soybean
Start	27556	End	28972
GI	none	Score	122
Exons	27556..27651, 27557..27640, 27928..28029, 27929..28030, 28418..28528, 28419..28520, 28617..28742, 28618..28743, 28633..28746, 28838..28972, 28838..28945		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106406	Strand	
Start	26868	End	28972
Name	OJ000328_05.0417.C7.o1.tw	Method	TBLASTX:Wheat
Start	27929	End	28754
GI	none	Score	91
Exons	27929..28021, 27974..28021, 28332..28517, 28417..28518, 28418..28513, 28422..28514, 28618..28746, 28619..28669, 28620..28754, 28627..28752		

Seq. No.	50082	Seq. ID	OJ000328_05.0417.C7
Gene No.	106407	Strand	
Start	32422	End	32616
Name	OJ000328_05.0417.C7.o3.ts	Method	TBLASTX:Soybean
Start	32422	End	32616
GI	none	Score	210
Exons	32422..32616, 32433..32612		

Seq. No.	50083	Seq. ID	OJ000328_05.0417.C8
Gene No.	106408	Strand	+
Start	1	End	1178
Name	OJ000328_05.0417.C8.o1.np	Method	AAT/NAP
Start	1	End	1178
GI	5902381	Score	154
Exons	1..68, 198..358, 539..591, 1027..1178		
GI Descrip.	(AC009322) Similar to DNAJ proteins [Arabidopsis thaliana]		

Seq. No.	50083	Seq. ID	OJ000328_05.0417.C8
Gene No.	106408	Strand	+
Start	1	End	1178
Name	OJ000328_05.0417.C8.o1.gs	Method	GENSCAN
Start	198	End	1164
GI	none	Score	.73
Exons	198..358, 500..612, 685..778, 945..1164		

Seq. No.	50083	Seq. ID	OJ000328_05.0417.C8
Gene No.	106409	Strand	-
Start	989	End	1200
Name	OJ000328_05.0417.C8.o1.gp	Method	AAT/GAP
Start	989	End	1200
GI	41684_1.R1084	Score	401
Exons	989..1200		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 7.0e-35 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	50084	Seq. ID	OJ000328_05.0417.C9

Gene No.	106410	Strand	+
Start	1221	End	4866
Name	OJ000328_05.0417.C9.o1.gs	Method	GENSCAN
Start	1221	End	4866
GI	none	Score	.55
Exons	1221..1360, 1445..1712, 2116..2218, 3636..3675, 4742..4866		

Seq. No.	50084	Seq. ID	OJ000328_05.0417.C9
Gene No.	106410	Strand	+
Start	1221	End	4866
Name	OJ000328_05.0417.C9.o1.tm	Method	TBLASTX:Maize
Start	1336	End	3327
GI	none	Score	42
Exons	1336..1362, 1439..1492, 1440..1502, 1444..1494, 1598..1726, 1599..1724, 1821..1874, 1821..1874, 3183..3263, 3190..3327, 3194..3265		

Seq. No.	50084	Seq. ID	OJ000328_05.0417.C9
Gene No.	106410	Strand	+
Start	1221	End	4866
Name	OJ000328_05.0417.C9.o1.tc	Method	TBLASTX:Cress
Start	1439	End	3239
GI	none	Score	63
Exons	1439..1492, 1599..1730, 1601..1732, 1821..1874, 1853..1879, 3183..3239		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106411	Strand	+
Start	15	End	726
Name	OJ000328_05.0417.C10.o1.gs	Method	GENSCAN
Start	15	End	726
GI	none	Score	.87
Exons	15..334, 552..726		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106412	Strand	+
Start	1856	End	5321
Name	OJ000328_05.0417.C10.o1.gp	Method	AAT/GAP
Start	1677	End	2042
GI	none	Score	695
Exons	1677..2042		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106412	Strand	+
Start	1856	End	5321
Name	OJ000328_05.0417.C10.o2.gs	Method	GENSCAN
Start	1856	End	4967
GI	none	Score	.96
Exons	1856..3263, 3830..3890, 4367..4967		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106412	Strand	+
Start	1856	End	5321
Name	OJ000328_05.0417.C10.o1.np	Method	AAT/NAP
Start	1871	End	4937
GI	4008006	Score	1572
Exons	1871..3263, 4348..4937		

GI Descrip. (AF084034) receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106412	Strand	+
Start	1856	End	5321
Name	OJ000328_05.0417.C10.o2.gp	Method	AAT/GAP
Start	2060	End	2248
GI	26995_1.R1084	Score	298
Exons	2060..2248		
GI Descrip.	'4008006 6.0e-09 (AF084034) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106412	Strand	+
Start	1856	End	5321
Name	OJ000328_05.0417.C10.o3.gp	Method	AAT/GAP
Start	4619	End	5321
GI	18445_1.R1084	Score	1337
Exons	4619..5321		
GI Descrip.	'2760839/gb|AAB95307.1| 2.0e-28 (AC003105) putative receptor kinase [Arabidopsis thaliana]'		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o1.tm	Method	TBLASTX:Maize
Start	196	End	5262
GI	none	Score	985
Exons	196..291, 4340..4951, 4344..4940, 4938..4970, 5037..5066, 5038..5064, 5039..5065, 5090..5110, 5186..5254, 5188..5262, 5193..5249		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o1.tc	Method	TBLASTX:Cress
Start	1928	End	4922
GI	none	Score	438
Exons	1928..2413, 1933..2412, 2417..2497, 2425..2499, 2972..3277, 3019..3264, 4346..4549, 4347..4550, 4554..4808, 4571..4846, 4794..4922		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o2.ts	Method	TBLASTX:Soybean
Start	2024	End	2499
GI	none	Score	426
Exons	2024..2497, 2026..2172, 2186..2317, 2189..2323, 2242..2499		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o3.tm	Method	TBLASTX:Maize
Start	2117	End	2719
GI	none	Score	76
Exons	2117..2254, 2156..2323, 2218..2499, 2219..2497, 2406..2498,		

2543..2584, 2623..2718, 2639..2719

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o1.tw	Method	TBLASTX:Wheat
Start	2938	End	3190
GI	none	Score	395
Exons	2938..3189, 2942..3190		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o2.tm	Method	TBLASTX:Maize
Start	2941	End	3277
GI	none	Score	427
Exons	2941..3276, 2942..3277		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o1.ts	Method	TBLASTX:Soybean
Start	2996	End	4913
GI	none	Score	264
Exons	2996..3277, 3070..3264, 4347..4373, 4374..4913, 4379..4912		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o2.tw	Method	TBLASTX:Wheat
Start	4712	End	4907
GI	none	Score	247
Exons	4712..4897, 4713..4907		

Seq. No.	50085	Seq. ID	OJ000328_05.0417.C10
Gene No.	106413	Strand	-
Start	6497	End	6903
Name	OJ000328_05.0417.C10.o3.gs	Method	GENSCAN
Start	6497	End	6903
GI	none	Score	.85
Exons	6497..6544, 6841..6903		

Seq. No.	50086	Seq. ID	OJ000328_05.0417.C11
Gene No.	106414	Strand	-
Start	26	End	1635
Name	OJ000328_05.0417.C11.o1.gs	Method	GENSCAN
Start	26	End	1635
GI	none	Score	.42
Exons	26..263, 1418..1443, 1501..1576, 1581..1635		

Seq. No.	50087	Seq. ID	OJ000328_04.0417.C1
Gene No.	106415	Strand	-
Start	1	End	1414
Name	OJ000328_04.0417.C1.o1.np	Method	AAT/NAP
Start	1	End	1414
GI	7248394	Score	1780
Exons	1..170, 441..722, 766..1414		

GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	50087	Seq. ID	OJ000328_04.0417.C1
Gene No.	106415	Strand	-
Start	1	End	1414
Name	OJ000328_04.0417.C1.o1.tw	Method	TBLASTX:Wheat
Start	1	End	309
GI	none	Score	273
Exons	1..309, 2..292		
Seq. No.	50087	Seq. ID	OJ000328_04.0417.C1
Gene No.	106415	Strand	-
Start	1	End	1414
Name	OJ000328_04.0417.C1.o1.tm	Method	TBLASTX:Maize
Start	4	End	249
GI	none	Score	122
Exons	4..180, 4..249, 15..245, 116..247		
Seq. No.	50087	Seq. ID	OJ000328_04.0417.C1
Gene No.	106415	Strand	-
Start	1	End	1414
Name	OJ000328_04.0417.C1.o1.ts	Method	TBLASTX:Soybean
Start	103	End	471
GI	none	Score	130
Exons	103..237, 253..471		
Seq. No.	50087	Seq. ID	OJ000328_04.0417.C1
Gene No.	106415	Strand	-
Start	1	End	1414
Name	OJ000328_04.0417.C1.o1.gs	Method	GENSCAN
Start	283	End	1414
GI	none	Score	.48
Exons	283..710, 766..1414		
Seq. No.	50087	Seq. ID	OJ000328_04.0417.C1
Gene No.	106415	Strand	-
Start	1	End	1414
Name	OJ000328_04.0417.C1.o2.ts	Method	TBLASTX:Soybean
Start	953	End	1315
GI	none	Score	58
Exons	953..1315, 969..1247		
Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106416	Strand	+
Start	1	End	2191
Name	OJ000328_04.0417.C2.o1.np	Method	AAT/NAP
Start	1	End	2191
GI	7248394	Score	920
Exons	1..631, 2046..2191		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain		

(AC006446)

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106416	Strand	+
Start	1	End	2191
Name	OJ000328_04.0417.C2.o1.gs	Method	GENSCAN
Start	80	End	1810
GI	none	Score	.51
Exons	80..233, 930..1810		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106416	Strand	+
Start	1	End	2191
Name	OJ000328_04.0417.C2.o2.np	Method	AAT/NAP
Start	623	End	1789
GI	7228457	Score	510
Exons	623..1789		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106417	Strand	+
Start	3062	End	8284
Name	OJ000328_04.0417.C2.o2.gs	Method	GENSCAN
Start	3062	End	8284
GI	none	Score	.62
Exons	3062..3136, 5241..5723, 7475..8284		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106417	Strand	+
Start	3062	End	8284
Name	OJ000328_04.0417.C2.o1.gp	Method	AAT/GAP
Start	4191	End	4495
GI	83032_1.R1084	Score	463
Exons	4191..4495		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106418	Strand	+
Start	8521	End	17285
Name	OJ000328_04.0417.C2.o3.np	Method	AAT/NAP
Start	8521	End	17285
GI	4680179	Score	5283
Exons	8521..9603, 9637..10096, 14301..17285		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106418	Strand	+
Start	8521	End	17285
Name	OJ000328_04.0417.C2.o4.gp	Method	AAT/GAP
Start	13243	End	13625
GI	uC-osflcyp033a04b1	Score	656
Exons	13243..13625		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o1.ts	Method	TBLASTX:Soybean
Start	92	End	15267
GI	none	Score	121
Exons	92..307, 14872..14904, 14874..14903, 14908..15267, 14910..14945, 14976..15266		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o3.tm	Method	TBLASTX:Maize
Start	92	End	15318
GI	none	Score	88
Exons	92..262, 14818..14997, 14826..14945, 15004..15318, 15144..15188, 15225..15275		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o5.tw	Method	TBLASTX:Wheat
Start	92	End	15282
GI	none	Score	112
Exons	92..274, 349..435, 14980..15282, 14982..15266		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o5.ts	Method	TBLASTX:Soybean
Start	352	End	15534
GI	none	Score	70
Exons	352..540, 15289..15534, 15306..15533		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o2.tw	Method	TBLASTX:Wheat
Start	797	End	16275
GI	none	Score	56
Exons	797..916, 15739..16275, 15795..16274		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o4.ts	Method	TBLASTX:Soybean
Start	812	End	1207
GI	none	Score	231
Exons	812..1207, 913..1107		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o7.tm	Method	TBLASTX:Maize
Start	821	End	1186

GI	none	Score	69
Exons	821..967, 962..1186		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o1.tw	Method	TBLASTX:Wheat
Start	1040	End	16908
GI	none	Score	165
Exons	1040..1459, 16282..16908, 16338..16796, 16654..16905		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o3.ts	Method	TBLASTX:Soybean
Start	1550	End	1795
GI	none	Score	248
Exons	1550..1795, 1594..1680, 1756..1791		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o8.tm	Method	TBLASTX:Maize
Start	1568	End	1807
GI	none	Score	93
Exons	1568..1645, 1631..1699, 1697..1807		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o3.gp	Method	AAT/GAP
Start	6555	End	6654
GI	uC-osf1cyp033a04b1	Score	169
Exons	6555..6654		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o9.tw	Method	TBLASTX:Wheat
Start	8734	End	8972
GI	none	Score	214
Exons	8734..8760, 8773..8970, 8775..8972		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o6.tw	Method	TBLASTX:Wheat
Start	9006	End	9357
GI	none	Score	294
Exons	9006..9200, 9007..9357		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o6.tm	Method	TBLASTX:Maize

Start	9007	End	9312
GI	none	Score	230
Exons	9007..9312, 9021..9137		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o8.tw	Method	TBLASTX:Wheat
Start	9664	End	10031
GI	none	Score	157
Exons	9664..9873, 9720..9872, 9917..10030, 9918..10031		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o5.tm	Method	TBLASTX:Maize
Start	14419	End	14805
GI	none	Score	257
Exons	14419..14805, 14427..14522, 14589..14747		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o4.tw	Method	TBLASTX:Wheat
Start	14445	End	14931
GI	none	Score	52
Exons	14445..14888, 14449..14499, 14553..14675, 14554..14931		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o3.tw	Method	TBLASTX:Wheat
Start	15283	End	15708
GI	none	Score	596
Exons	15283..15708, 15315..15704, 15346..15708		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o2.tm	Method	TBLASTX:Maize
Start	15354	End	15717
GI	none	Score	481
Exons	15354..15704, 15355..15708, 15355..15717		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o1.tc	Method	TBLASTX:Cress
Start	15982	End	16299
GI	none	Score	90
Exons	15982..16155, 16156..16299, 16158..16298		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o2.ts	Method	TBLASTX:Soybean
Start	16063	End	16323

GI	none	Score	296
Exons	16063..16323, 16068..16322		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o4.tm	Method	TBLASTX:Maize
Start	16121	End	16413
GI	none	Score	81
Exons	16121..16276, 16122..16409, 16123..16413		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o1.tm	Method	TBLASTX:Maize
Start	16462	End	17061
GI	none	Score	231
Exons	16462..16623, 16470..16616, 16621..17061, 16623..17045		

Seq. No.	50088	Seq. ID	OJ000328_04.0417.C2
Gene No.	106419	Strand	-
Start	6555	End	17240
Name	OJ000328_04.0417.C2.o7.tw	Method	TBLASTX:Wheat
Start	16908	End	17240
GI	none	Score	250
Exons	16908..17135, 16909..17136, 17136..17240		

Seq. No.	50089	Seq. ID	OJ000328_04.0417.C3
Gene No.	106420	Strand	-
Start	378	End	1408
Name	OJ000328_04.0417.C3.o1.np	Method	AAT/NAP
Start	378	End	1408
GI	4680186	Score	335
Exons	378..606, 1346..1408		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50089	Seq. ID	OJ000328_04.0417.C3
Gene No.	106420	Strand	-
Start	378	End	1408
Name	OJ000328_04.0417.C3.o1.gp	Method	AAT/GAP
Start	445	End	635
GI	uC-osflcyp033a04b1	Score	324
Exons	445..635		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106421	Strand	+
Start	1	End	947
Name	OJ000328_04.0417.C4.o1.np	Method	AAT/NAP
Start	1	End	947
GI	6907087	Score	425
Exons	1..293, 846..947		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106422	Strand	+
Start	1415	End	1796
Name	OJ000328_04.0417.C4.o1.gp	Method	AAT/GAP
Start	1415	End	1796
GI	uC-osflcyp033a04b1	Score	643
Exons	1415..1796		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106423	Strand	+
Start	4906	End	6657
Name	OJ000328_04.0417.C4.o3.np	Method	AAT/NAP
Start	4906	End	6657
GI	6907087	Score	1078
Exons	4906..5275, 5320..6004, 6556..6657		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106424	Strand	-
Start	121	End	548
Name	OJ000328_04.0417.C4.o1.gs	Method	GENSCAN
Start	121	End	548
GI	none	Score	.9
Exons	121..548		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106425	Strand	-
Start	1344	End	9801
Name	OJ000328_04.0417.C4.o2.np	Method	AAT/NAP
Start	1344	End	9801
GI	4680186	Score	247
Exons	1344..1547, 3289..3523, 5031..5173, 9721..9801		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106425	Strand	-
Start	1344	End	9801
Name	OJ000328_04.0417.C4.o2.gp	Method	AAT/GAP
Start	2504	End	2698
GI	uC-osflcyp033a04b1	Score	323
Exons	2504..2698		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106425	Strand	-
Start	1344	End	9801
Name	OJ000328_04.0417.C4.o3.gs	Method	GENSCAN
Start	4139	End	6447
GI	none	Score	.53
Exons	4139..4195, 4292..4341, 5095..5831, 5966..6288, 6370..6447		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4

Gene No.	106425	Strand	-
Start	1344	End	9801
Name	OJ000328_04.0417.C4.o4.gs	Method	GENSCAN
Start	6550	End	7159
GI	none	Score	.93
Exons	6550..6656, 7099..7159		

Seq. No.	50090	Seq. ID	OJ000328_04.0417.C4
Gene No.	106425	Strand	-
Start	1344	End	9801
Name	OJ000328_04.0417.C4.o4.np	Method	AAT/NAP
Start	7047	End	7487
GI	4680186	Score	209
Exons	7047..7281, 7408..7487		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106426	Strand	+
Start	1	End	4601
Name	OJ000328_04.0417.C5.o2.np	Method	AAT/NAP
Start	1	End	3404
GI	4680179	Score	3072
Exons	1..31, 1165..3404		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106426	Strand	+
Start	1	End	4601
Name	OJ000328_04.0417.C5.o1.gs	Method	GENSCAN
Start	976	End	4601
GI	none	Score	.46
Exons	976..1174, 1227..1519, 1567..2053, 2176..3390, 4189..4601		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106427	Strand	+
Start	5450	End	5636
Name	OJ000328_04.0417.C5.o1.gp	Method	AAT/GAP
Start	5450	End	5636
GI	uC-osflcyp033a04b1	Score	279
Exons	5450..5636		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106428	Strand	+
Start	5688	End	6121
Name	OJ000328_04.0417.C5.o2.gp	Method	AAT/GAP
Start	5688	End	6121
GI	uC-osflcyp033a04b1	Score	355
Exons	5688..5725, 5901..6121		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106429	Strand	+
Start	9698	End	11024
Name	OJ000328_04.0417.C5.o5.np	Method	AAT/NAP

Start	9698	End	11024
GI	5852178	Score	451
Exons	9698..9771, 10180..10406, 10438..10553, 10930..11024		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106430	Strand	+
Start	12134	End	12309
Name	OJ000328_04.0417.C5.o3.gp	Method	AAT/GAP
Start	12134	End	12309
GI	LIB3433-026-P1-K1-C1	Score	250
Exons	12134..12309		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106431	Strand	+
Start	18181	End	20273
Name	OJ000328_04.0417.C5.o4.gs	Method	GENSCAN
Start	18181	End	20150
GI	none	Score	.68
Exons	18181..18348, 18622..18706, 19280..19336, 19646..19750, 19825..20150		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106431	Strand	+
Start	18181	End	20273
Name	OJ000328_04.0417.C5.o8.np	Method	AAT/NAP
Start	18181	End	20273
GI	6691716	Score	1529
Exons	18181..18946, 19144..19750, 19825..20273		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106432	Strand	-
Start	1	End	11714
Name	OJ000328_04.0417.C5.o1.np	Method	AAT/NAP
Start	1	End	6090
GI	4544372	Score	37
Exons	1..47, 768..905, 6067..6090		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106432	Strand	-
Start	1	End	11714
Name	OJ000328_04.0417.C5.o3.np	Method	AAT/NAP
Start	4125	End	10027
GI	5852180	Score	488
Exons	4125..4551, 4603..4720, 5970..6025, 9947..10027		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106432	Strand	-
Start	1	End	11714

Name	OJ000328_04.0417.C5.o2.gs	Method	GENSCAN
Start	4935	End	9641
GI	none	Score	.49
Exons	4935..4981, 5430..5581, 5970..6023, 6756..7044, 7252..7361, 9529..9641		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106432	Strand	-
Start	1	End	11714
Name	OJ000328_04.0417.C5.o4.np	Method	AAT/NAP
Start	6827	End	11714
GI	6691193	Score	42
Exons	6827..6995, 11680..11714		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106433	Strand	-
Start	15791	End	19307
Name	OJ000328_04.0417.C5.o7.np	Method	AAT/NAP
Start	15791	End	19307
GI	7248394	Score	113
Exons	15791..15895, 16015..16270, 19264..19307		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106434	Strand	-
Start	20491	End	20702
Name	OJ000328_04.0417.C5.o4.gp	Method	AAT/GAP
Start	20491	End	20702
GI	5816477	Score	325
Exons	20491..20702		
GI Descrip.	5902445/dbj|BAA84458.1| 8.0e-79 (AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o1.ts	Method	TBLASTX:Soybean
Start	1172	End	1420
GI	none	Score	305
Exons	1172..1420, 1192..1419		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o4.tw	Method	TBLASTX:Wheat
Start	1172	End	1435
GI	none	Score	325
Exons	1172..1435, 1192..1419		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702

Name	OJ000328_04.0417.C5.o4.tm	Method	TBLASTX:Maize
Start	1184	End	1501
GI	none	Score	326
Exons	1184..1501, 1288..1500		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o2.tw	Method	TBLASTX:Wheat
Start	1436	End	1932
GI	none	Score	139
Exons	1436..1561, 1468..1560, 1546..1932, 1548..1931		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o2.tm	Method	TBLASTX:Maize
Start	1507	End	1869
GI	none	Score	66
Exons	1507..1575, 1508..1570, 1546..1860, 1548..1856, 1561..1869		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o3.tw	Method	TBLASTX:Wheat
Start	2032	End	2390
GI	none	Score	73
Exons	2032..2097, 2043..2096, 2088..2390, 2106..2387, 2135..2389		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o2.ts	Method	TBLASTX:Soybean
Start	2186	End	2441
GI	none	Score	293
Exons	2186..2440, 2187..2441		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o3.tm	Method	TBLASTX:Maize
Start	2240	End	2531
GI	none	Score	375
Exons	2240..2527, 2241..2531		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o1.tw	Method	TBLASTX:Wheat
Start	2400	End	3026
GI	none	Score	688
Exons	2400..3026, 2456..3025		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o1.tm	Method	TBLASTX:Maize

Start	2580	End	3179
GI	none	Score	231
Exons	2580..2741, 2583..2735, 2739..3179, 2741..3163		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o5.tw	Method	TBLASTX:Wheat
Start	3026	End	3359
GI	none	Score	303
Exons	3026..3295, 3027..3359, 3039..3338		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o3.ts	Method	TBLASTX:Soybean
Start	13811	End	14173
GI	none	Score	202
Exons	13811..14173		

Seq. No.	50091	Seq. ID	OJ000328_04.0417.C5
Gene No.	106435	Strand	-
Start	20613	End	20702
Name	OJ000328_04.0417.C5.o9.np	Method	AAT/NAP
Start	20613	End	20702
GI	4680180	Score	135
Exons	20613..20702		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o1.gs	Method	GENSCAN
Start	463	End	5253
GI	none	Score	.63
Exons	463..564, 1809..1887, 2589..2799, 2801..3004, 3050..3306, 3445..4260, 4530..4726, 4909..5253		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o1.np	Method	AAT/NAP
Start	2675	End	8614
GI	5922631	Score	4060
Exons	2675..2799, 3044..3290, 3549..3739, 3785..5241, 6944..7031, 7638..8614		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614

Name	OJ000328_04.0417.C7.o5.tw	Method	TBLASTX:Wheat
Start	3978	End	4370
GI	none	Score	260
Exons	3978..4370, 4094..4276		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o4.tw	Method	TBLASTX:Wheat
Start	4673	End	5129
GI	none	Score	129
Exons	4673..4861, 4673..4861, 4891..5127, 4893..5129		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o2.gs	Method	GENSCAN
Start	6325	End	8510
GI	none	Score	.56
Exons	6325..6376, 6861..7019, 7197..7781, 7850..7910, 8263..8510		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o1.tw	Method	TBLASTX:Wheat
Start	7048	End	7504
GI	none	Score	462
Exons	7048..7503, 7049..7504		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o2.ts	Method	TBLASTX:Soybean
Start	7088	End	7453
GI	none	Score	125
Exons	7088..7312, 7319..7453		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o1.tm	Method	TBLASTX:Maize
Start	7177	End	7534
GI	none	Score	342
Exons	7177..7512, 7178..7534		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o2.tw	Method	TBLASTX:Wheat
Start	7619	End	8043
GI	none	Score	390
Exons	7619..8038, 7666..8043		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o1.ts	Method	TBLASTX:Soybean

Start	7667	End	8098
GI	none	Score	273
Exons	7667..8098, 7714..7872, 7736..8029, 7894..8037		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o2.tm	Method	TBLASTX:Maize
Start	7765	End	8185
GI	none	Score	242
Exons	7765..8016, 7766..8017, 8042..8185		

Seq. No.	50092	Seq. ID	OJ000328_04.0417.C7
Gene No.	106436	Strand	+
Start	463	End	8614
Name	OJ000328_04.0417.C7.o3.tw	Method	TBLASTX:Wheat
Start	8207	End	8614
GI	none	Score	241
Exons	8207..8458, 8207..8431, 8266..8457, 8467..8613, 8468..8614		

Seq. No.	50093	Seq. ID	OJ000328_06.0419.C1
Gene No.	106437	Strand	+
Start	1	End	1520
Name	OJ000328_06.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	1520
GI	5903067	Score	373
Exons	1..198, 741..918, 1061..1143, 1231..1300, 1399..1520		
GI Descrip.	(AC008016) F6D8.25 [Arabidopsis thaliana]		

Seq. No.	50093	Seq. ID	OJ000328_06.0419.C1
Gene No.	106437	Strand	+
Start	1	End	1520
Name	OJ000328_06.0419.C1.o1.gs	Method	GENSCAN
Start	741	End	1520
GI	none	Score	.84
Exons	741..918, 1399..1520		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	36	End	1241
GI	none	Score	38
Exons	36..107, 46..111, 112..372, 112..372, 116..382, 459..566, 460..570, 1162..1224, 1164..1241, 1165..1224		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.np	Method	AAT/NAP
Start	103	End	7076
GI	4063751	Score	729
Exons	103..369, 459..566, 1164..1436, 1753..1947, 2105..2232, 2347..2474, 2589..2745, 2843..3132, 4816..5058, 7032..7076		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2

Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o3.tc	Method	TBLASTX:Cress
Start	118	End	297
GI	none	Score	136
Exons	118..297, 118..288		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o4.ts	Method	TBLASTX:Soybean
Start	118	End	279
GI	none	Score	128
Exons	118..279, 118..279		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.gs	Method	GENSCAN
Start	181	End	5193
GI	none	Score	.85
Exons	181..369, 459..566, 1164..1436, 1518..1604, 1753..1947, 2338..2459, 2534..2745, 2843..3132, 4816..5193		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	262	End	1367
GI	none	Score	93
Exons	262..372, 457..555, 459..566, 1167..1367, 1171..1317, 1182..1367		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	317	End	1848
GI	none	Score	80
Exons	317..385, 319..372, 459..566, 460..570, 1162..1437, 1164..1250, 1164..1439, 1165..1437, 1494..1622, 1516..1623, 1747..1848, 1748..1846		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o3.tm	Method	TBLASTX:Maize
Start	1242	End	2370
GI	none	Score	259
Exons	1242..1439, 1243..1437, 1299..1439, 1494..1604, 1516..1605, 1747..1956, 1748..1957, 2105..2179, 2107..2181, 2109..2180, 2113..2181, 2180..2230, 2181..2231, 2182..2232, 2182..2235, 2315..2368, 2320..2370, 2337..2369, 2338..2370		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o2.tc	Method	TBLASTX:Cress

Start	1284	End	1947
GI	none	Score	86
Exons	1284..1304, 1309..1437, 1311..1439, 1311..1439, 1312..1437, 1494..1604, 1516..1581, 1747..1947, 1749..1802, 1754..1945, 1861..1947		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o2.ts	Method	TBLASTX:Soybean
Start	1849	End	2922
GI	none	Score	121
Exons	1849..1947, 1850..1945, 1851..1946, 2176..2229, 2176..2247, 2320..2421, 2339..2425, 2433..2462, 2434..2460, 2574..2747, 2575..2748, 2843..2917, 2845..2922		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	2348	End	5011
GI	none	Score	73
Exons	2348..2422, 2368..2421, 2433..2465, 2574..2696, 2596..2697, 2676..2747, 2843..3016, 2845..3060, 3064..3132, 3068..3127, 4822..5010, 4823..5011		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	2371	End	3136
GI	none	Score	54
Exons	2371..2421, 2372..2419, 2433..2462, 2434..2460, 2574..2696, 2575..2697, 2614..2748, 2676..2747, 2843..3136, 2845..3132		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o1.gp	Method	AAT/GAP
Start	2884	End	3132
GI	uC-osf1cyp071a03b1	Score	407
Exons	2884..3132		
GI Descrip.	'4063751 6.0e-22 (AC005851) putative white protein [Arabidopsis thaliana] >gi_4510409_gb_AAD21495.1_ (AC006929) putative white protein [Arabidopsis thaliana]'		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o3.ts	Method	TBLASTX:Soybean
Start	2923	End	3133
GI	none	Score	146
Exons	2923..3132, 2924..3133		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940

Name	OJ000328_06.0419.C2.o5.ts	Method	TBLASTX:Soybean
Start	4840	End	5101
GI	none	Score	90
Exons	4840..5052, 4916..5101		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o4.tm	Method	TBLASTX:Maize
Start	4942	End	5473
GI	none	Score	205
Exons	4942..5082, 4943..5083, 5083..5172, 5084..5161, 5143..5199, 5144..5200, 5387..5440, 5438..5473		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o2.gs	Method	GENSCAN
Start	5941	End	8924
GI	none	Score	.67
Exons	5941..5986, 6718..6832, 6954..7032, 7145..7295, 8536..8924		

Seq. No.	50094	Seq. ID	OJ000328_06.0419.C2
Gene No.	106438	Strand	-
Start	103	End	8940
Name	OJ000328_06.0419.C2.o2.gp	Method	AAT/GAP
Start	8599	End	8940
GI	none	Score	639
Exons	8599..8940		

Seq. No.	50095	Seq. ID	OJ000328_06.0419.C3
Gene No.	106439	Strand	+
Start	5063	End	5185
Name	OJ000328_06.0419.C3.o2.gp	Method	AAT/GAP
Start	5015	End	5185
GI	2799624	Score	321
Exons	5015..5185		
GI Descrip.	4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50095	Seq. ID	OJ000328_06.0419.C3
Gene No.	106439	Strand	+
Start	5063	End	5185
Name	OJ000328_06.0419.C3.o2.gs	Method	GENSCAN
Start	5063	End	5185
GI	none	Score	.76
Exons	5063..5185		

Seq. No.	50095	Seq. ID	OJ000328_06.0419.C3
Gene No.	106440	Strand	-
Start	2471	End	3421
Name	OJ000328_06.0419.C3.o1.gp	Method	AAT/GAP
Start	2471	End	3421
GI	LIB3432-026-P1-K1-G2	Score	889
Exons	2471..2742, 3115..3254, 3349..3421		
GI Descrip.	'4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50095	Seq. ID	OJ000328_06.0419.C3
Gene No.	106440	Strand	-
Start	2471	End	3421
Name	OJ000328_06.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	2531	End	3187
GI	none	Score	262
Exons	2531..2611, 2534..2743, 2542..2742, 2605..2745, 2685..2744, 3115..3186, 3122..3187		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106441	Strand	+
Start	84	End	3093
Name	OJ000328_06.0419.C4.o1.gs	Method	GENSCAN
Start	84	End	3093
GI	none	Score	.59
Exons	84..134, 1430..1629, 1736..1928, 2147..2232, 2451..2536, 2840..3093		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106441	Strand	+
Start	84	End	3093
Name	OJ000328_06.0419.C4.o1.np	Method	AAT/NAP
Start	141	End	3054
GI	7485906	Score	263
Exons	141..190, 1468..1607, 1726..1928, 2147..2248, 2451..2549, 2842..3054		
GI Descrip.	hypothetical protein F21B7.13 - Arabidopsis thaliana gi|2809244|gb|AAB97704.1| (AC002560) F21B7.13 [Arabidopsis thaliana]		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106441	Strand	+
Start	84	End	3093
Name	OJ000328_06.0419.C4.o1.gp	Method	AAT/GAP
Start	1428	End	1855
GI	2799624	Score	565
Exons	1428..1629, 1736..1855		
GI Descrip.	4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o2.tc	Method	TBLASTX:Cress
Start	2863	End	3033
GI	none	Score	185
Exons	2863..3033, 2881..3021		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	3593	End	3985
GI	none	Score	185
Exons	3593..3874, 3696..3860, 3863..3985		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o2.gs	Method	GENSCAN
Start	3593	End	3985
GI	none	Score	.51
Exons	3593..3985		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o2.np	Method	AAT/NAP
Start	3596	End	4236
GI	7441287	Score	372
Exons	3596..3985, 4198..4236		
GI Descrip.	membrane protein MP23 precursor - cucurbit gi|1109612|dbj|BAA08107.1| (D45077) MP23 precursor [Cucurbita sp.]		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	3641	End	3985
GI	none	Score	200
Exons	3641..3874, 3663..3854, 3863..3985, 3864..3983		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	3662	End	3941
GI	none	Score	177
Exons	3662..3859, 3663..3860, 3863..3940, 3864..3941		

Seq. No.	50096	Seq. ID	OJ000328_06.0419.C4
Gene No.	106442	Strand	-
Start	3593	End	4236
Name	OJ000328_06.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	3662	End	3943
GI	none	Score	163
Exons	3662..3859, 3675..3860, 3809..3889, 3863..3937, 3864..3929, 3875..3943		

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	388
GI	135858	Score	197
Exons	1..133, 216..388		
GI Descrip.	TONOPLAST INTRINSIC PROTEIN, ALPHA (ALPHA TIP) gi|99760|pir||S22201 tonoplast intrinsic protein alpha - Arabidopsis thaliana gi|16182|emb|CAA45114.1| (X63551) tonoplast intrinsic protein: alpha-TIP(Ara) [Arabidopsis thaliana] gi|166623|gb|AAA32748.1| (M84343) tonoplast intrinsic protein [Arabidopsis thaliana] gi|6598862|gb|AAF18716.1|AC010556_12		

(AC010556) tonoplas

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o1.gp	Method	AAT/GAP
Start	73	End	440
GI	1632169	Score	492
Exons	73..146, 247..440		

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o1.gs	Method	GENSCAN
Start	212	End	3287
GI	none	Score	.58
Exons	212..393, 465..598, 1464..1525, 2088..2275, 3110..3287		

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o2.gp	Method	AAT/GAP
Start	979	End	1510
GI	6498_1.R1084	Score	780
Exons	979..1363, 1464..1510		
GI Descrip.	'4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	1232	End	2141
GI	none	Score	68
Exons	1232..1330, 1249..1371, 1293..1364, 1336..1377, 1457..1528, 1458..1526, 2085..2141, 2086..2139		

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	1457	End	3290
GI	none	Score	65
Exons	1457..1528, 1458..1526, 2085..2186, 2086..2187, 3108..3290, 3109..3288		

Seq. No.	50097	Seq. ID	OJ000328_06.0419.C5
Gene No.	106443	Strand	-
Start	1	End	3790
Name	OJ000328_06.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	2142	End	3790
GI	none	Score	261
Exons	2142..2186, 3108..3290, 3109..3288, 3111..3290, 3674..3739, 3692..3790, 3712..3789		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106444	Strand	+

Start	5070	End	7025
Name	OJ000328_06.0419.C6.o2.np	Method	AAT/NAP
Start	5070	End	7025
GI	5302777	Score	566
Exons	5070..5224, 5313..5392, 5922..6068, 6505..7025		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268247|emb|CAB78543.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106444	Strand	+
Start	5070	End	7025
Name	OJ000328_06.0419.C6.o2.gp	Method	AAT/GAP
Start	6892	End	7025
GI	LIB3432-008-P1-K1-C6	Score	240
Exons	6892..7025		
GI Descrip.	'5302777/emb|CAB46055.1| 5.0e-14 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	644	End	854
GI	none	Score	154
Exons	644..853, 672..854		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o1.gs	Method	GENSCAN
Start	650	End	5366
GI	none	Score	.61
Exons	650..1087, 2032..2157, 3436..3561, 3682..3742, 4583..4766, 4970..5366		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o2.tm	Method	TBLASTX:Maize
Start	671	End	935
GI	none	Score	287
Exons	671..853, 672..854, 878..934, 888..935		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	707	End	853
GI	none	Score	109
Exons	707..853, 711..851		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o2.tc	Method	TBLASTX:Cress
Start	2086	End	3732

GI	none	Score	92
Exons	2086..2160, 2087..2158, 3436..3564, 3437..3562, 3682..3732		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o1.gp	Method	AAT/GAP
Start	2127	End	4859
GI	none	Score	803
Exons	2127..2157, 3436..3561, 3682..3713, 4583..4859		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106445	Strand	-
Start	650	End	5366
Name	OJ000328_06.0419.C6.o1.np	Method	AAT/NAP
Start	2226	End	4984
GI	3859705	Score	51
Exons	2226..2256, 3435..3532, 4962..4984		
GI Descrip.	(AL033497) unknown hypothetical protein [Candida albicans]		

Seq. No.	50098	Seq. ID	OJ000328_06.0419.C6
Gene No.	106446	Strand	
Start	5960	End	6855
Name	OJ000328_06.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	5960	End	6855
GI	none	Score	104
Exons	5960..6022, 5961..6023, 5964..6035, 6513..6854, 6514..6855		

Seq. No.	50099	Seq. ID	OJ000328_06.0419.C7
Gene No.	106447	Strand	+
Start	1	End	1687
Name	OJ000328_06.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	1687
GI	4678950	Score	121
Exons	1..112, 242..361, 1088..1279, 1664..1687		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	50099	Seq. ID	OJ000328_06.0419.C7
Gene No.	106447	Strand	+
Start	1	End	1687
Name	OJ000328_06.0419.C7.o1.gs	Method	GENSCAN
Start	498	End	1555
GI	none	Score	.53
Exons	498..590, 879..949, 1032..1063, 1204..1555		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106448	Strand	+
Start	1693	End	2733
Name	OJ000328_06.0419.C8.o2.gs	Method	GENSCAN
Start	1693	End	2733
GI	none	Score	1
Exons	1693..2733		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106448	Strand	+
Start	1693	End	2733
Name	OJ000328_06.0419.C8.o1.np	Method	AAT/NAP

Start	1702	End	2727
GI	7109462	Score	602
Exons	1702..2727		
GI Descrip.	(AC016662) putative flavonol sulfotransferase [Arabidopsis thaliana]		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106449	Strand	+
Start	7647	End	11207
Name	OJ000328_06.0419.C8.o3.np	Method	AAT/NAP
Start	7647	End	11207
GI	7228457	Score	5446
Exons	7647..7995, 8057..9992, 10056..10890, 11013..11207		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106450	Strand	-
Start	3523	End	3905
Name	OJ000328_06.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	1900	End	2553
GI	none	Score	95
Exons	1900..1977, 1908..1967, 1981..2100, 2019..2099, 2026..2295, 2100..2150, 2190..2534, 2332..2553		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106450	Strand	-
Start	3523	End	3905
Name	OJ000328_06.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	2172	End	2532
GI	none	Score	85
Exons	2172..2246, 2179..2250, 2305..2532, 2307..2525		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106450	Strand	-
Start	3523	End	3905
Name	OJ000328_06.0419.C8.o2.np	Method	AAT/NAP
Start	3523	End	3905
GI	6006310	Score	314
Exons	3523..3905		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106451	Strand	
Start	5597	End	5920
Name	OJ000328_06.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	5597	End	5920
GI	none	Score	141
Exons	5597..5725, 5738..5920		

Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106452	Strand	
Start	8123	End	8675
Name	OJ000328_06.0419.C8.o4.tw	Method	TBLASTX:Wheat
Start	8123	End	8675
GI	none	Score	34

Exons	8123..8158, 8283..8330, 8337..8435, 8342..8434, 8402..8641, 8418..8675		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106452	Strand	
Start	8123	End	8675
Name	OJ000328_06.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	8288	End	8573
GI	none	Score	197
Exons	8288..8572, 8325..8573		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106453	Strand	
Start	9413	End	9899
Name	OJ000328_06.0419.C8.o3.tw	Method	TBLASTX:Wheat
Start	9413	End	9899
GI	none	Score	413
Exons	9413..9586, 9414..9899, 9653..9868		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106454	Strand	
Start	10064	End	10550
Name	OJ000328_06.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	10064	End	10526
GI	none	Score	579
Exons	10064..10519, 10065..10526, 10065..10520		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106454	Strand	
Start	10064	End	10550
Name	OJ000328_06.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	10104	End	10469
GI	none	Score	118
Exons	10104..10328, 10335..10469		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106454	Strand	
Start	10064	End	10550
Name	OJ000328_06.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	10194	End	10550
GI	none	Score	392
Exons	10194..10550, 10229..10540, 10245..10550		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106455	Strand	
Start	10577	End	11084
Name	OJ000328_06.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	10577	End	10961
GI	none	Score	364
Exons	10577..10942, 10578..10961		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106455	Strand	
Start	10577	End	11084
Name	OJ000328_06.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	10634	End	11050
GI	none	Score	489

Exons	10634..11050, 10635..11048		
Seq. No.	50100	Seq. ID	OJ000328_06.0419.C8
Gene No.	106455	Strand	
Start	10577	End	11084
Name	OJ000328_06.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	10713	End	11084
GI	none	Score	270
Exons	10713..11084, 10730..10873		
Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106456	Strand	+
Start	1	End	2208
Name	OJ000328_06.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	2205
GI	7228457	Score	3587
Exons	1..588, 655..2205		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106456	Strand	+
Start	1	End	2208
Name	OJ000328_06.0419.C9.o1.gs	Method	GENSCAN
Start	26	End	2208
GI	none	Score	.41
Exons	26..63, 90..2208		
Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o2.tw	Method	TBLASTX:Wheat
Start	109	End	567
GI	none	Score	223
Exons	109..363, 133..384, 198..383, 418..567, 429..566		
Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	256	End	822
GI	5666795	Score	68
Exons	256..354, 430..567, 622..822		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o5.tw	Method	TBLASTX:Wheat
Start	570	End	882
GI	none	Score	184
Exons	570..746, 622..882		
Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598

Name	OJ000328_06.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	1075	End	1398
GI	none	Score	351
Exons	1075..1398, 1104..1385		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	1212	End	1593
GI	none	Score	364
Exons	1212..1268, 1213..1593, 1314..1562		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o3.tw	Method	TBLASTX:Wheat
Start	1594	End	2196
GI	none	Score	256
Exons	1594..1878, 1599..1877, 2070..2192, 2071..2196		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o3.tm	Method	TBLASTX:Maize
Start	2065	End	2211
GI	none	Score	184
Exons	2065..2211, 2070..2204		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o2.gs	Method	GENSCAN
Start	2834	End	7598
GI	none	Score	.46
Exons	2834..2948, 2985..3378, 3510..4426, 4531..4559, 4817..5116, 5213..5418, 5637..5784, 6140..6281, 6376..6926, 6990..7343, 7545..7598		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o2.np	Method	AAT/NAP
Start	2837	End	7598
GI	6907089	Score	4603
Exons	2837..4406, 5023..5167, 6065..6281, 6376..7598		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o4.tw	Method	TBLASTX:Wheat
Start	5009	End	5347
GI	none	Score	36
Exons	5009..5056, 5087..5347, 5157..5258		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9

Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	5060	End	5347
GI	none	Score	42
Exons	5060..5122, 5087..5347, 5163..5333		

Seq. No.	50101	Seq. ID	OJ000328_06.0419.C9
Gene No.	106457	Strand	-
Start	2834	End	7598
Name	OJ000328_06.0419.C9.o1.gp	Method	AAT/GAP
Start	5168	End	5349
GI	uC-osflcyp162a07a1	Score	277
Exons	5168..5349		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106458	Strand	+
Start	1	End	2507
Name	OJ000328_06.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	350
GI	5042454	Score	100
Exons	1..44, 297..350		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106458	Strand	+
Start	1	End	2507
Name	OJ000328_06.0419.C10.o1.gs	Method	GENSCAN
Start	7	End	2507
GI	none	Score	.75
Exons	7..44, 668..754, 2175..2304, 2379..2507		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394
Name	OJ000328_06.0419.C10.o2.np	Method	AAT/NAP
Start	3688	End	5394
GI	7529275	Score	316
Exons	3688..4155, 5320..5394		
GI Descrip.	(AL163491) ABA-responsive protein-like [Arabidopsis thaliana]		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394
Name	OJ000328_06.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	3698	End	4647
GI	none	Score	243
Exons	3698..3913, 3707..3877, 3712..3933, 3910..4050, 3911..4054, 4049..4162, 4054..4161, 4281..4352, 4282..4353, 4282..4350, 4283..4351, 4455..4538, 4456..4539, 4561..4638, 4563..4631, 4591..4647		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394

Name	OJ000328_06.0419.C10.o2.gs	Method	GENSCAN
Start	3709	End	4637
GI	none	Score	1
Exons	3709..4160, 4281..4349, 4457..4637		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394
Name	OJ000328_06.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	3724	End	4017
GI	none	Score	94
Exons	3724..3891, 3928..4017		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394
Name	OJ000328_06.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	3733	End	4188
GI	none	Score	77
Exons	3733..3795, 3733..4161, 3749..4162, 3871..4188		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394
Name	OJ000328_06.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	3862	End	4179
GI	none	Score	190
Exons	3862..4179, 3908..4162		

Seq. No.	50102	Seq. ID	OJ000328_06.0419.C10
Gene No.	106459	Strand	-
Start	3709	End	5394
Name	OJ000328_06.0419.C10.o2.gp	Method	AAT/GAP
Start	3995	End	4743
GI	none	Score	980
Exons	3995..4160, 4281..4349, 4457..4743		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106460	Strand	+
Start	200	End	554
Name	OJ000328_06.0419.C11.o1.gs	Method	GENSCAN
Start	200	End	554
GI	none	Score	.52
Exons	200..408, 448..554		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o1.gp	Method	AAT/GAP
Start	2923	End	3374
GI	none	Score	868
Exons	2923..3374		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o1.np	Method	AAT/NAP

Start	3099	End	4912
GI	7529275	Score	284
Exons	3099..3631, 4892..4912		
GI Descrip.	(AL163491) ABA-responsive protein-like [Arabidopsis thaliana]		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	3103	End	3880
GI	none	Score	97
Exons	3103..3318, 3112..3207, 3116..3319, 3116..3319, 3271..3330, 3316..3453, 3317..3472, 3457..3567, 3473..3574, 3809..3880		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o2.gs	Method	GENSCAN
Start	3115	End	4965
GI	none	Score	.91
Exons	3115..3566, 3685..3837, 3839..3998, 4695..4835, 4840..4965		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	3130	End	3423
GI	none	Score	67
Exons	3130..3297, 3131..3295, 3334..3423		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	3139	End	3727
GI	none	Score	92
Exons	3139..3213, 3139..3567, 3161..3574, 3686..3727		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	3268	End	3568
GI	none	Score	104
Exons	3268..3567, 3281..3448, 3476..3568		

Seq. No.	50103	Seq. ID	OJ000328_06.0419.C11
Gene No.	106461	Strand	-
Start	3115	End	4965
Name	OJ000328_06.0419.C11.o2.gp	Method	AAT/GAP
Start	3515	End	3990
GI	none	Score	662
Exons	3515..3566, 3685..3990		

Seq. No.	50104	Seq. ID	OJ000328_06.0419.C12
Gene No.	106462	Strand	+
Start	226	End	1415

Name	OJ000328_06.0419.C12.o1.gs	Method	GENSCAN
Start	226	End	1415
GI	none	Score	.74
Exons	226..337, 430..469, 713..888, 1339..1415		

Seq. No.	50104	Seq. ID	OJ000328_06.0419.C12
Gene No.	106463	Strand	+
Start	2452	End	2586
Name	OJ000328_06.0419.C12.o2.gs	Method	GENSCAN
Start	2452	End	2586
GI	none	Score	.64
Exons	2452..2586		

Seq. No.	50105	Seq. ID	OJ000328_06.0419.C13
Gene No.	106464	Strand	
Start	10771	End	11967
Name	OJ000328_06.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	10771	End	11967
GI	none	Score	48
Exons	10771..10815, 10772..10816, 10853..10927, 10865..10927, 10867..10974, 10933..11037, 10967..11038, 11133..11180, 11134..11175, 11150..11209, 11293..11352, 11293..11352, 11431..11580, 11443..11580, 11445..11591, 11445..11585, 11711..11809, 11712..11810, 11878..11967, 11898..11966, 11899..11967		

Seq. No.	50105	Seq. ID	OJ000328_06.0419.C13
Gene No.	106464	Strand	
Start	10771	End	11967
Name	OJ000328_06.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	11134	End	11967
GI	none	Score	48
Exons	11134..11175, 11293..11352, 11437..11580, 11445..11597, 11445..11585, 11701..11766, 11702..11758, 11711..11809, 11712..11810, 11898..11963, 11899..11967		

Seq. No.	50106	Seq. ID	OJ000328_06.0419.C14
Gene No.	106465	Strand	+
Start	69	End	992
Name	OJ000328_06.0419.C14.o1.gp	Method	AAT/GAP
Start	69	End	992
GI	12497_1.R1084	Score	1105
Exons	69..224, 413..514, 647..992		
GI Descrip.	'2062705/gb|U90552|HSU90552 1.0e-09 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	50106	Seq. ID	OJ000328_06.0419.C14
Gene No.	106466	Strand	-
Start	649	End	2159
Name	OJ000328_06.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	40	End	225
GI	none	Score	221
Exons	40..225, 64..216, 90..224		

Seq. No.	50106	Seq. ID	OJ000328_06.0419.C14
Gene No.	106466	Strand	-
Start	649	End	2159

Name	OJ000328_06.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	67	End	965
GI	none	Score	260
Exons	67..225, 67..225, 410..505, 411..515, 412..510, 646..771, 649..780, 810..884, 814..885, 817..885, 880..963, 885..965, 886..954		

Seq. No.	50106	Seq. ID	OJ000328_06.0419.C14
Gene No.	106466	Strand	-
Start	649	End	2159
Name	OJ000328_06.0419.C14.o1.gs	Method	GENSCAN
Start	649	End	2159
GI	none	Score	.6
Exons	649..954, 988..1148, 2083..2159		

Seq. No.	50107	Seq. ID	OJ000328_06.0419.C15
Gene No.	106467	Strand	+
Start	140	End	438
Name	OJ000328_06.0419.C15.o1.gs	Method	GENSCAN
Start	140	End	438
GI	none	Score	.85
Exons	140..265, 334..438		

Seq. No.	50108	Seq. ID	OJ000328_06.0419.C16
Gene No.	106468	Strand	+
Start	1	End	3313
Name	OJ000328_06.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	3313
GI	7486520	Score	432
Exons	1..61, 1654..1782, 2019..2155, 2363..2484, 2593..2667, 3235..3313		
GI Descrip.	hypothetical protein F6H11.180 - Arabidopsis thaliana gi|2827716|emb|CAA16689.1| (AL021684) predicted protein [Arabidopsis thaliana]		

Seq. No.	50108	Seq. ID	OJ000328_06.0419.C16
Gene No.	106468	Strand	+
Start	1	End	3313
Name	OJ000328_06.0419.C16.o1.gs	Method	GENSCAN
Start	264	End	2484
GI	none	Score	.65
Exons	264..604, 1654..1782, 2380..2484		

Seq. No.	50108	Seq. ID	OJ000328_06.0419.C16
Gene No.	106468	Strand	+
Start	1	End	3313
Name	OJ000328_06.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	1729	End	3279
GI	none	Score	68
Exons	1729..1782, 1735..1782, 2017..2118, 2023..2118, 2354..2485, 2357..2485, 2377..2490, 2386..2487, 2607..2663, 2608..2682, 3232..3267, 3235..3279		

Seq. No.	50109	Seq. ID	OJ000328_06.0419.C17
Gene No.	106469	Strand	-
Start	2128	End	2396
Name	OJ000328_06.0419.C17.o1.gs	Method	GENSCAN

Start	2128	End	2396
GI	none	Score	.46
Exons	2128..2291, 2343..2396		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106470	Strand	+
Start	2944	End	3470
Name	OJ000328_06.0419.C18.o1.gp	Method	AAT/GAP
Start	2944	End	3470
GI	5867_1.R1084	Score	136
Exons	2944..2963, 3368..3470		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106471	Strand	-
Start	2470	End	4438
Name	OJ000328_06.0419.C18.o1.gs	Method	GENSCAN
Start	2470	End	3090
GI	none	Score	.97
Exons	2470..3090		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106471	Strand	-
Start	2470	End	4438
Name	OJ000328_06.0419.C18.o1.np	Method	AAT/NAP
Start	2697	End	4438
GI	5731257	Score	209
Exons	2697..2931, 3057..3124, 4418..4438		
GI Descrip.	(AF165924) auxin-induced basic helix-loop-helix transcription factor [Gossypium hirsutum]		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106471	Strand	-
Start	2470	End	4438
Name	OJ000328_06.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	2734	End	2955
GI	none	Score	189
Exons	2734..2955, 2735..2926		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106471	Strand	-
Start	2470	End	4438
Name	OJ000328_06.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	2734	End	2926
GI	none	Score	260
Exons	2734..2925, 2735..2926		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106471	Strand	-
Start	2470	End	4438
Name	OJ000328_06.0419.C18.o1.tm	Method	TBLASTX:Maize

Start	2743	End	3094
GI	none	Score	284
Exons	2743..2958, 2744..2929, 2789..3007, 3032..3094, 3052..3093		

Seq. No.	50110	Seq. ID	OJ000328_06.0419.C18
Gene No.	106471	Strand	-
Start	2470	End	4438
Name	OJ000328_06.0419.C18.o2.gs	Method	GENSCAN
Start	3926	End	4108
GI	none	Score	.41
Exons	3926..4108		

Seq. No.	50111	Seq. ID	OJ000328_06.0419.C19
Gene No.	106472	Strand	-
Start	215	End	1622
Name	OJ000328_06.0419.C19.o1.gp	Method	AAT/GAP
Start	215	End	1622
GI	54565_1.R1084	Score	791
Exons	215..557, 1290..1438, 1575..1622		
GI Descrip.	'4314370/gb|AAD15581| 1.0e-10 (AC006340) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50111	Seq. ID	OJ000328_06.0419.C19
Gene No.	106472	Strand	-
Start	215	End	1622
Name	OJ000328_06.0419.C19.o1.gs	Method	GENSCAN
Start	439	End	1307
GI	none	Score	.93
Exons	439..557, 1290..1307		

Seq. No.	50111	Seq. ID	OJ000328_06.0419.C19
Gene No.	106472	Strand	-
Start	215	End	1622
Name	OJ000328_06.0419.C19.o1.np	Method	AAT/NAP
Start	468	End	1372
GI	4314370	Score	81
Exons	468..557, 1290..1372		
GI Descrip.	(AC006340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50112	Seq. ID	OJ000328_01.0419.C7
Gene No.	106473	Strand	+
Start	389	End	1537
Name	OJ000328_01.0419.C7.o1.gp	Method	AAT/GAP
Start	389	End	1537
GI	17542_1.R1084	Score	1221
Exons	389..490, 567..702, 1094..1537		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	50112	Seq. ID	OJ000328_01.0419.C7
Gene No.	106473	Strand	+
Start	389	End	1537
Name	OJ000328_01.0419.C7.o1.gs	Method	GENSCAN
Start	595	End	1240
GI	none	Score	.57
Exons	595..702, 1094..1240		

Seq. No.	50112	Seq. ID	OJ000328_01.0419.C7
Gene No.	106474	Strand	+
Start	4491	End	5685
Name	OJ000328_01.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	392	End	1245
GI	none	Score	164
Exons	392..490, 393..491, 393..491, 394..504, 550..705, 550..702, 566..718, 1091..1216, 1091..1186, 1172..1240, 1186..1245, 1186..1236		

Seq. No.	50112	Seq. ID	OJ000328_01.0419.C7
Gene No.	106474	Strand	+
Start	4491	End	5685
Name	OJ000328_01.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	1081	End	1249
GI	none	Score	237
Exons	1081..1119, 1082..1249, 1180..1245		

Seq. No.	50112	Seq. ID	OJ000328_01.0419.C7
Gene No.	106474	Strand	+
Start	4491	End	5685
Name	OJ000328_01.0419.C7.o2.gs	Method	GENSCAN
Start	4491	End	5685
GI	none	Score	.59
Exons	4491..4646, 5518..5685		

Seq. No.	50112	Seq. ID	OJ000328_01.0419.C7
Gene No.	106474	Strand	+
Start	4491	End	5685
Name	OJ000328_01.0419.C7.o1.np	Method	AAT/NAP
Start	4503	End	5627
GI	7433000	Score	154
Exons	4503..4646, 5518..5627		
GI Descrip.	pollen-specific protein homolog F24A6.80 - Arabidopsis thaliana gi|4454012|emb|CAA23065.1| (AL035396) Pollen-specific protein precursor like [Arabidopsis thaliana] gi|7269375|emb|CAB81335.1| (AL161563) Pollen-specific protein precursor like [Arabidopsis thaliana]		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106475	Strand	+
Start	1	End	2905
Name	OJ000328_01.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	2899
GI	6907083	Score	1462
Exons	1..81, 445..583, 1265..1634, 1829..2194, 2307..2385, 2496..2695, 2794..2899		
GI Descrip.	(AP001129) ESTs AU082304(C61278),C93463(C50982) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F24A6, Pollen-specific protein precursor like. (AL035396) [Oryza sativa]		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106475	Strand	+
Start	1	End	2905
Name	OJ000328_01.0419.C8.o1.gs	Method	GENSCAN
Start	457	End	2905

GI	none	Score	.94
Exons	457..583, 1265..1634, 1829..2194, 2307..2385, 2496..2695, 2794..2905		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106476	Strand	+
Start	5144	End	8804
Name	OJ000328_01.0419.C8.o2.np	Method	AAT/NAP
Start	5144	End	8801
GI	4836896	Score	2982
Exons	5144..5519, 5737..6277, 6314..8801		
GI Descrip.	(AC007369) Similar to RNA helicases [Arabidopsis thaliana]		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106476	Strand	+
Start	5144	End	8804
Name	OJ000328_01.0419.C8.o3.gs	Method	GENSCAN
Start	6085	End	8804
GI	none	Score	.8
Exons	6085..6712, 6727..7826, 7872..8804		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	13	End	2024
GI	none	Score	83
Exons	13..72, 424..579, 444..536, 444..584, 445..588, 1263..1487, 1264..1488, 1462..1635, 1491..1637, 1826..2020, 1827..2024		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	448	End	2165
GI	none	Score	204
Exons	448..588, 450..584, 1251..1487, 1263..1475, 1264..1488, 1462..1635, 1490..1618, 1491..1634, 1805..2059, 1826..2164, 1827..2165		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o4.tc	Method	TBLASTX:Cress
Start	1263	End	1490
GI	none	Score	314
Exons	1263..1490, 1264..1488		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o3.tc	Method	TBLASTX:Cress
Start	1826	End	2692
GI	none	Score	77
Exons	1826..1873, 1827..1913, 1937..2041, 1938..2039, 2085..2195, 2114..2194, 2308..2391, 2492..2692, 2496..2612		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	1938	End	2528
GI	none	Score	373
Exons	1938..2195, 1946..2194, 2302..2385, 2304..2387, 2307..2387, 2308..2388, 2495..2527, 2496..2528		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	2027	End	2696
GI	none	Score	189
Exons	2027..2194, 2028..2195, 2263..2385, 2300..2374, 2308..2391, 2495..2695, 2496..2696		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	2495	End	2896
GI	none	Score	316
Exons	2495..2695, 2496..2696, 2792..2848, 2795..2896		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106477	Strand	-
Start	4464	End	5964
Name	OJ000328_01.0419.C8.o2.gs	Method	GENSCAN
Start	4464	End	5964
GI	none	Score	.58
Exons	4464..4533, 5327..5440, 5660..5964		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106478	Strand	
Start	6816	End	8095
Name	OJ000328_01.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	6816	End	7520
GI	none	Score	453
Exons	6816..7352, 6821..7108, 7175..7348, 7373..7513, 7374..7520		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106478	Strand	
Start	6816	End	8095
Name	OJ000328_01.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	6879	End	8075
GI	none	Score	203
Exons	6879..7127, 6905..7117, 7155..7352, 7178..7363, 7370..7573, 7377..7574, 7584..7619, 7674..7847, 7842..8075		

Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106478	Strand	
Start	6816	End	8095
Name	OJ000328_01.0419.C8.o5.tc	Method	TBLASTX:Cress
Start	6882	End	7205
GI	none	Score	187

Exons	6882..7127, 6896..7120, 7155..7205		
Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106478	Strand	
Start	6816	End	8095
Name	OJ000328_01.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	7211	End	7988
GI	none	Score	118
Exons	7211..7348, 7218..7352, 7373..7534, 7374..7574, 7674..7847, 7842..7988		
Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106478	Strand	
Start	6816	End	8095
Name	OJ000328_01.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	7236	End	8066
GI	none	Score	79
Exons	7236..7412, 7389..7610, 7689..7844, 7857..8066, 7925..8008		
Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106478	Strand	
Start	6816	End	8095
Name	OJ000328_01.0419.C8.o5.tm	Method	TBLASTX:Maize
Start	7842	End	8095
GI	none	Score	229
Exons	7842..8021, 7842..8012, 7916..8017, 8018..8095, 8019..8093, 8020..8094		
Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106479	Strand	
Start	8076	End	8804
Name	OJ000328_01.0419.C8.o4.ts	Method	TBLASTX:Soybean
Start	8076	End	8198
GI	none	Score	188
Exons	8076..8198, 8078..8140		
Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106479	Strand	
Start	8076	End	8804
Name	OJ000328_01.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	8096	End	8761
GI	none	Score	197
Exons	8096..8140, 8097..8276, 8170..8247, 8249..8275, 8340..8684, 8379..8759, 8411..8761		
Seq. No.	50113	Seq. ID	OJ000328_01.0419.C8
Gene No.	106479	Strand	
Start	8076	End	8804
Name	OJ000328_01.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	8379	End	8804
GI	none	Score	447
Exons	8379..8804, 8426..8797		
Seq. No.	50114	Seq. ID	OJ000328_01.0419.C9
Gene No.	106480	Strand	+
Start	490	End	774
Name	OJ000328_01.0419.C9.o1.gs	Method	GENSCAN

Start	490	End	774
GI	none	Score	.84
Exons	490..554, 615..774		

Seq. No.	50114	Seq. ID	OJ000328_01.0419.C9
Gene No.	106481	Strand	-
Start	318	End	1667
Name	OJ000328_01.0419.C9.o1.np	Method	AAT/NAP
Start	318	End	1667
GI	6069646	Score	503
Exons	318..1294, 1627..1667		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50114	Seq. ID	OJ000328_01.0419.C9
Gene No.	106481	Strand	-
Start	318	End	1667
Name	OJ000328_01.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	367	End	919
GI	none	Score	44
Exons	367..531, 415..537, 553..783, 593..784, 796..906, 797..919		

Seq. No.	50114	Seq. ID	OJ000328_01.0419.C9
Gene No.	106481	Strand	-
Start	318	End	1667
Name	OJ000328_01.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	592	End	852
GI	none	Score	95
Exons	592..780, 593..784, 629..784, 765..803, 799..852		

Seq. No.	50114	Seq. ID	OJ000328_01.0419.C9
Gene No.	106481	Strand	-
Start	318	End	1667
Name	OJ000328_01.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	937	End	1278
GI	none	Score	45
Exons	937..1062, 1087..1212, 1216..1278		

Seq. No.	50115	Seq. ID	OJ000328_01.0419.C11
Gene No.	106482	Strand	-
Start	373	End	805
Name	OJ000328_01.0419.C11.o1.np	Method	AAT/NAP
Start	373	End	805
GI	862343	Score	88
Exons	373..463, 642..805		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	50116	Seq. ID	OJ000328_01.0419.C12
Gene No.	106483	Strand	+
Start	125	End	2436
Name	OJ000328_01.0419.C12.o1.gs	Method	GENSCAN

Start	125	End	2436
GI	none	Score	.68
Exons	125..127, 2218..2436		

Seq. No.	50117	Seq. ID	OJ000328_01.0419.C13
Gene No.	106484	Strand	+
Start	226	End	2357
Name	OJ000328_01.0419.C13.o1.gs	Method	GENSCAN
Start	226	End	2239
GI	none	Score	.77
Exons	226..250, 1068..1186, 1311..1388, 2006..2239		

Seq. No.	50117	Seq. ID	OJ000328_01.0419.C13
Gene No.	106484	Strand	+
Start	226	End	2357
Name	OJ000328_01.0419.C13.o1.gp	Method	AAT/GAP
Start	575	End	1167
GI	LIB3434-045-P1-K1-B12	Score	350
Exons	575..682, 1068..1167		
GI Descrip.	'4467117/emb|CAB37551| 8.0e-19 (AL035538) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50117	Seq. ID	OJ000328_01.0419.C13
Gene No.	106484	Strand	+
Start	226	End	2357
Name	OJ000328_01.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	575	End	2357
GI	none	Score	110
Exons	575..685, 575..685, 577..687, 1064..1222, 1066..1191, 1307..1387, 1308..1412, 1308..1391, 1992..2120, 1994..2230, 2005..2235, 2005..2226, 2274..2357, 2274..2309		

Seq. No.	50117	Seq. ID	OJ000328_01.0419.C13
Gene No.	106484	Strand	+
Start	226	End	2357
Name	OJ000328_01.0419.C13.o1.np	Method	AAT/NAP
Start	576	End	1192
GI	7485853	Score	206
Exons	576..691, 978..1192		
GI Descrip.	hypothetical protein F20D10.230 - Arabidopsis thaliana gi|4467117|emb|CAB37551.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270794|emb|CAB80476.1| (AL161592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	2885
GI	99741	Score	875
Exons	1..56, 323..546, 917..1369, 1592..1970, 2085..2885		
GI Descrip.	P-glycoprotein pgp1 - Arabidopsis thaliana		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o1.tm	Method	TBLASTX:Maize

Start	5	End	2881
GI	none	Score	61
Exons	5..67, 316..453, 463..549, 916..978, 917..1195, 1051..1158, 2087..2881, 2260..2544		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	5	End	2881
GI	none	Score	56
Exons	5..58, 316..438, 2087..2881, 2290..2544, 2677..2880		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o2.tc	Method	TBLASTX:Cress
Start	5	End	2881
GI	none	Score	73
Exons	5..67, 5..67, 315..527, 319..549, 319..549, 2087..2758, 2087..2194, 2786..2881, 2789..2881, 2797..2880		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o1.gs	Method	GENSCAN
Start	430	End	2818
GI	none	Score	.52
Exons	430..546, 917..1269, 1544..1629, 2085..2818		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	913	End	1240
GI	none	Score	65
Exons	913..1128, 914..1240, 916..1191, 965..1201		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	916	End	1234
GI	none	Score	344
Exons	916..1233, 917..1234		

Seq. No.	50118	Seq. ID	OJ000328_01.0419.C15
Gene No.	106485	Strand	+
Start	1	End	2885
Name	OJ000328_01.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	919	End	1162
GI	none	Score	300
Exons	919..1158, 920..1162		

Seq. No.	50119	Seq. ID	OJ000328_01.0419.C16
Gene No.	106486	Strand	-
Start	1	End	120

Name	OJ000328_01.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	120
GI	1196996	Score	183
Exons	1..120		
GI Descrip.	(J01829) unknown protein [Transposon Tn10]		

Seq. No.	50119	Seq. ID	OJ000328_01.0419.C16
Gene No.	106487	Strand	-
Start	2000	End	2774
Name	OJ000328_01.0419.C16.o2.gs	Method	GENSCAN
Start	2000	End	2774
GI	none	Score	.77
Exons	2000..2334, 2390..2774		

Seq. No.	50119	Seq. ID	OJ000328_01.0419.C16
Gene No.	106487	Strand	-
Start	2000	End	2774
Name	OJ000328_01.0419.C16.o2.np	Method	AAT/NAP
Start	2000	End	2645
GI	6143895	Score	328
Exons	2000..2309, 2360..2645		
GI Descrip.	(AC010718) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	50119	Seq. ID	OJ000328_01.0419.C16
Gene No.	106488	Strand	-
Start	4511	End	5195
Name	OJ000328_01.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	80	End	238
GI	none	Score	202
Exons	80..238, 82..237		

Seq. No.	50119	Seq. ID	OJ000328_01.0419.C16
Gene No.	106488	Strand	-
Start	4511	End	5195
Name	OJ000328_01.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	2448	End	2603
GI	none	Score	139
Exons	2448..2603, 2449..2577		

Seq. No.	50119	Seq. ID	OJ000328_01.0419.C16
Gene No.	106488	Strand	-
Start	4511	End	5195
Name	OJ000328_01.0419.C16.o3.gs	Method	GENSCAN
Start	4511	End	5195
GI	none	Score	.55
Exons	4511..4533, 5052..5195		

Seq. No.	50120	Seq. ID	OJ000328_01.0419.C17
Gene No.	106489	Strand	+
Start	174	End	588
Name	OJ000328_01.0419.C17.o1.gs	Method	GENSCAN
Start	174	End	588
GI	none	Score	.75
Exons	174..273, 318..395, 494..588		

Seq. No.	50120	Seq. ID	OJ000328_01.0419.C17
Gene No.	106490	Strand	+

Start	1012	End	1113
Name	OJ000328_01.0419.C17.o1.gp	Method	AAT/GAP
Start	1012	End	1113
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	1012..1113		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50120	Seq. ID	OJ000328_01.0419.C17
Gene No.	106491	Strand	+
Start	3239	End	4168
Name	OJ000328_01.0419.C17.o2.gs	Method	GENSCAN
Start	3239	End	4168
GI	none	Score	.52
Exons	3239..3301, 3455..3536, 4098..4168		

Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106492	Strand	+
Start	1461	End	1778
Name	OJ000328_01.0419.C18.o1.gs	Method	GENSCAN
Start	1461	End	1778
GI	none	Score	.52
Exons	1461..1778		

Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106493	Strand	-
Start	587	End	3024
Name	OJ000328_01.0419.C18.o1.gp	Method	AAT/GAP
Start	587	End	3024
GI	LIB3433-050-P1-K1-E5	Score	848
Exons	587..768, 1051..1143, 2601..2748, 2986..3024		
GI Descrip.	'4468813/emb|CAB38214| 2.0e-10 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o3.tm	Method	TBLASTX:Maize
Start	3722	End	4054
GI	none	Score	171
Exons	3722..4045, 3763..4044, 3875..4054		

Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	3742	End	4325
GI	none	Score	98
Exons	3742..3972, 3755..4057, 3763..4296, 3764..4228, 4083..4325		

Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o2.ts	Method	TBLASTX:Soybean
Start	3746	End	3984
GI	none	Score	183

Exons	3746..3973, 3760..3984, 3766..3984		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o1.np	Method	AAT/NAP
Start	3766	End	5638
GI	4263522	Score	1285
Exons	3766..5523, 5613..5638		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o2.gp	Method	AAT/GAP
Start	3943	End	4409
GI	uC-osflcyp022b01b1	Score	906
Exons	3943..4409		
GI Descrip.	'2245038/emb|CAB10457.1| 6.0e-49 (Z97342) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	3985	End	4524
GI	none	Score	59
Exons	3985..4524, 3986..4069, 4126..4347, 4151..4492		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	4114	End	4573
GI	none	Score	521
Exons	4114..4569, 4115..4573		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	4462	End	5274
GI	none	Score	156
Exons	4462..4911, 4469..4897, 4522..4638, 4912..5082, 4981..5082, 5095..5274, 5117..5233		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o2.tc	Method	TBLASTX:Cress
Start	4483	End	5391
GI	none	Score	61
Exons	4483..4614, 4484..4618, 4522..4785, 4597..4899, 4598..4771, 4606..5088, 4846..5088, 4877..5008, 4912..5016, 4912..5082, 4999..5088, 5098..5277, 5107..5370, 5161..5349, 5188..5391		
Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18

Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o3.ts	Method	TBLASTX:Soybean
Start	4546	End	5356
GI	none	Score	61
Exons	4546..4596, 4552..4902, 4573..4773, 4903..5073, 5201..5356, 5203..5355		

Seq. No.	50121	Seq. ID	OJ000328_01.0419.C18
Gene No.	106494	Strand	-
Start	3766	End	5638
Name	OJ000328_01.0419.C18.o2.tm	Method	TBLASTX:Maize
Start	4573	End	5355
GI	none	Score	104
Exons	4573..4923, 4573..4683, 4574..4762, 4576..5070, 4582..4803, 4606..4854, 4903..5091, 4906..4995, 4909..5094, 5005..5097, 5056..5184, 5086..5262, 5089..5265, 5089..5262, 5194..5355		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106495	Strand	+
Start	3167	End	5168
Name	OJ000328_01.0419.C19.o2.gs	Method	GENSCAN
Start	3167	End	5168
GI	none	Score	.52
Exons	3167..3247, 4362..5168		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106496	Strand	-
Start	4822	End	5189
Name	OJ000328_01.0419.C19.o1.gp	Method	AAT/GAP
Start	4822	End	5189
GI	2312241	Score	491
Exons	4822..5189		
GI Descrip.	2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106497	Strand	-
Start	6750	End	6825
Name	OJ000328_01.0419.C19.o2.gp	Method	AAT/GAP
Start	6750	End	6825
GI	77434_1.R1084	Score	93
Exons	6750..6825		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106498	Strand	-
Start	9821	End	10169
Name	OJ000328_01.0419.C19.o3.gp	Method	AAT/GAP
Start	9821	End	10169
GI	2312241	Score	630
Exons	9821..10169		
GI Descrip.	2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19

Gene No.	106499	Strand	-
Start	12526	End	12624
Name	OJ000328_01.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	4440	End	9574
GI	none	Score	136
Exons	4440..4583, 4465..4584, 9427..9573, 9443..9574		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106499	Strand	-
Start	12526	End	12624
Name	OJ000328_01.0419.C19.o1.ts	Method	TBLASTX:Soybean
Start	4449	End	10116
GI	none	Score	152
Exons	4449..4760, 4465..4626, 4663..4767, 4816..4992, 4839..4970, 4951..5118, 4956..5117, 9439..9786, 9449..9616, 9653..9787, 9802..10116, 9839..9991, 9950..10099		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106499	Strand	-
Start	12526	End	12624
Name	OJ000328_01.0419.C19.o1.tc	Method	TBLASTX:Cress
Start	4461	End	1Q110
GI	none	Score	114
Exons	4461..4616, 4662..4760, 4842..5111, 9451..9606, 9652..9792, 9841..10110		

Seq. No.	50122	Seq. ID	OJ000328_01.0419.C19
Gene No.	106499	Strand	-
Start	12526	End	12624
Name	OJ000328_01.0419.C19.o4.gs	Method	GENSCAN
Start	12526	End	12624
GI	none	Score	.73
Exons	12526..12624		

Seq. No.	50123	Seq. ID	OJ000328_01.0419.C21
Gene No.	106500	Strand	+
Start	371	End	2575
Name	OJ000328_01.0419.C21.o1.gs	Method	GENSCAN
Start	371	End	2347
GI	none	Score	.9
Exons	371..456, 492..873, 1092..1175, 1657..1782, 1859..1926, 2009..2078, 2282..2347		

Seq. No.	50123	Seq. ID	OJ000328_01.0419.C21
Gene No.	106500	Strand	+
Start	371	End	2575
Name	OJ000328_01.0419.C21.o1.np	Method	AAT/NAP
Start	440	End	2575
GI	6899898	Score	531
Exons	440..681, 820..873, 1092..1175, 1657..1782, 1859..1926, 2009..2078, 2282..2347, 2459..2575		
GI Descrip.	(AL138642) putative protein [Arabidopsis thaliana]		

Seq. No.	50123	Seq. ID	OJ000328_01.0419.C21
Gene No.	106500	Strand	+
Start	371	End	2575
Name	OJ000328_01.0419.C21.o1.tm	Method	TBLASTX:Maize

Start	1607	End	1905
GI	none	Score	206
Exons	1607..1777, 1656..1781, 1657..1785, 1669..1785, 1856..1888, 1859..1903, 1860..1895, 1861..1905, 1861..1899		

Seq. No.	50124	Seq. ID	OJ000328_01.0419.C23
Gene No.	106501	Strand	+
Start	516	End	1034
Name	OJ000328_01.0419.C23.o1.gs	Method	GENSCAN
Start	516	End	1034
GI	none	Score	1
Exons	516..1034		

Seq. No.	50125	Seq. ID	OJ000328_01.0419.C24
Gene No.	106502	Strand	-
Start	1	End	948
Name	OJ000328_01.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	948
GI	6573748	Score	139
Exons	1..175, 903..948		
GI Descrip.	(AC009398) F20B24.12 [Arabidopsis thaliana]		

Seq. No.	50125	Seq. ID	OJ000328_01.0419.C24
Gene No.	106502	Strand	-
Start	1	End	948
Name	OJ000328_01.0419.C24.o1.gs	Method	GENSCAN
Start	8	End	902
GI	none	Score	.53
Exons	8..175, 896..902		

Seq. No.	50126	Seq. ID	OJ000328_01.0419.C25
Gene No.	106503	Strand	-
Start	3033	End	3275
Name	OJ000328_01.0419.C25.o2.gs	Method	GENSCAN
Start	3033	End	3275
GI	none	Score	.52
Exons	3033..3275		

Seq. No.	50127	Seq. ID	OJ000328_01.0419.C26
Gene No.	106504	Strand	-
Start	14	End	241
Name	OJ000328_01.0419.C26.o1.gs	Method	GENSCAN
Start	14	End	241
GI	none	Score	.91
Exons	14..241		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106505	Strand	+
Start	436	End	2944
Name	OJ000328_01.0419.C28.o1.gs	Method	GENSCAN
Start	436	End	2944
GI	none	Score	.81
Exons	436..477, 632..658, 758..820, 2290..2368, 2907..2944		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106505	Strand	+
Start	436	End	2944

Name	OJ000328_01.0419.C28.o1.np	Method	AAT/NAP
Start	436	End	2509
GI	4185140	Score	277
Exons	436..477, 632..658, 758..820, 2290..2368, 2457..2509		
GI Descrip.	(AC005724) putative small nuclear ribonucleoprotein E [Arabidopsis thaliana]		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106505	Strand	+
Start	436	End	2944
Name	OJ000328_01.0419.C28.o1.gp	Method	AAT/GAP
Start	2344	End	2910
GI	2801035	Score	882
Exons	2344..2502, 2589..2910		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106506	Strand	+
Start	4426	End	6819
Name	OJ000328_01.0419.C28.o3.gs	Method	GENSCAN
Start	4426	End	6819
GI	none	Score	.91
Exons	4426..4959, 6352..6483, 6739..6819		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106506	Strand	+
Start	4426	End	6819
Name	OJ000328_01.0419.C28.o2.np	Method	AAT/NAP
Start	4626	End	6561
GI	2505879	Score	197
Exons	4626..4726, 4826..4923, 6233..6561		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106507	Strand	-
Start	3437	End	4114
Name	OJ000328_01.0419.C28.o2.gs	Method	GENSCAN
Start	3437	End	4114
GI	none	Score	1
Exons	3437..4114		

Seq. No.	50128	Seq. ID	OJ000328_01.0419.C28
Gene No.	106508	Strand	-
Start	7078	End	7181
Name	OJ000328_01.0419.C28.o2.gp	Method	AAT/GAP
Start	7078	End	7181
GI	LIB3477-003-P1-K1-E9	Score	153
Exons	7078..7181		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50129	Seq. ID	OJ000328_01.0419.C29
Gene No.	106509	Strand	+
Start	1	End	2117
Name	OJ000328_01.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	1412
GI	7267624	Score	209

Exons	1..60, 137..219, 316..432, 1094..1196, 1268..1412		
GI Descrip.	(AL161491) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	50129	Seq. ID	OJ000328_01.0419.C29
Gene No.	106509	Strand	+
Start	1	End	2117
Name	OJ000328_01.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	322	End	1419
GI	none	Score	164
Exons	322..450, 323..433, 1085..1192, 1092..1196, 1094..1201, 1262..1387, 1266..1370, 1356..1418, 1357..1419		
Seq. No.	50129	Seq. ID	OJ000328_01.0419.C29
Gene No.	106509	Strand	+
Start	1	End	2117
Name	OJ000328_01.0419.C29.o1.gs	Method	GENSCAN
Start	326	End	1937
GI	none	Score	.93
Exons	326..432, 1094..1196, 1268..1937		
Seq. No.	50129	Seq. ID	OJ000328_01.0419.C29
Gene No.	106509	Strand	+
Start	1	End	2117
Name	OJ000328_01.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	350	End	1507
GI	none	Score	72
Exons	350..433, 358..432, 363..434, 1085..1201, 1092..1196, 1094..1201, 1245..1457, 1262..1507, 1267..1461		
Seq. No.	50129	Seq. ID	OJ000328_01.0419.C29
Gene No.	106509	Strand	+
Start	1	End	2117
Name	OJ000328_01.0419.C29.o1.gp	Method	AAT/GAP
Start	1687	End	2117
GI	none	Score	441
Exons	1687..1937, 2095..2117		
Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.gp	Method	AAT/GAP
Start	1850	End	3264
GI	25787_1.R1084	Score	1185
Exons	1850..2174, 2334..2433, 2635..2712, 3004..3075, 3163..3264		
GI Descrip.	'4704613/gb|AAD28178.1|AF109695_1 2.0e-54 (AF109695) monodehydroascorbate reductase [Brassica juncea]'		
Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.gs	Method	GENSCAN
Start	2011	End	6334
GI	none	Score	.89
Exons	2011..2146, 2246..2433, 2635..2712, 3004..3075, 3163..3281, 3508..3592, 3746..3835, 3918..4019, 4098..4274, 4524..4604, 5160..5231, 5311..5405, 5510..5568, 5810..5853, 6203..6334		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.np	Method	AAT/NAP
Start	2020	End	6319
GI	4704613	Score	1420
Exons	2020..2174, 2334..2433, 2635..2712, 3004..3075, 3163..3281, 3508..3592, 3746..3835, 3918..4019, 4098..4187, 4524..4604, 5160..5231, 5311..5405, 5480..5568, 5665..5728, 5814..5853, 6203..6319		
GI Descrip.	(AF109695) monodehydroascorbate reductase [Brassica juncea]		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o3.ts	Method	TBLASTX:Soybean
Start	2284	End	3213
GI	none	Score	182
Exons	2284..2433, 2307..2441, 2620..2712, 2628..2711, 2998..3081, 3003..3104, 3009..3104, 3157..3213		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.tc	Method	TBLASTX:Cress
Start	2301	End	6304
GI	none	Score	171
Exons	2301..2432, 2320..2442, 2620..2712, 2628..2711, 2998..3063, 3156..3296, 3157..3288, 3502..3576, 3506..3592, 3745..3834, 3746..3832, 3791..3835, 3917..4018, 3918..4004, 4095..4190, 4097..4135, 4523..4627, 4524..4607, 5154..5234, 5159..5227, 5302..5379, 5303..5407, 5308..5400, 5310..5411, 5472..5555, 5477..5566, 5481..5567, 5491..5568, 5663..5731, 5664..5729, 5791..5853, 5817..5843, 6200..6268, 6266..6304		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	2313	End	6524
GI	none	Score	131
Exons	2313..2432, 2320..2433, 2321..2431, 2640..2711, 2641..2712, 2644..2712, 2984..3076, 2998..3081, 3003..3080, 3012..3083, 3156..3287, 3156..3296, 3157..3288, 3161..3301, 3496..3591, 3506..3592, 3510..3599, 3510..3593, 3735..3833, 3736..3834, 3746..3832, 3917..4036, 3917..4015, 4095..4190, 4095..4187, 4523..4627, 4524..4607, 4529..4618, 5154..5234, 5160..5270, 5306..5407, 5308..5403, 5308..5409, 5309..5407, 5310..5411, 5480..5566, 5481..5567, 5482..5568, 5655..5726, 5656..5730, 5663..5731, 5664..5738, 5793..5855, 5806..5853, 5810..5878, 5820..5855, 6200..6304, 6200..6340, 6201..6341, 6469..6513, 6471..6524, 6472..6510		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548

Name	OJ000328_01.0419.C30.o2.ts	Method	TBLASTX:Soybean
Start	3791	End	5234
GI	none	Score	66
Exons	3791..3835, 3918..4004, 3918..4019, 4095..4190, 4523..4627, 4524..4607, 5154..5234, 5156..5227		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.tw	Method	TBLASTX:Wheat
Start	4522	End	5522
GI	none	Score	62
Exons	4522..4611, 4523..4642, 4526..4618, 5154..5234, 5155..5229, 5160..5234, 5302..5409, 5308..5403, 5310..5411, 5473..5520, 5480..5521, 5481..5522		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o2.gp	Method	AAT/GAP
Start	5183	End	6548
GI	17979_1.R1084	Score	1235
Exons	5183..5231, 5311..5405, 5480..5568, 5665..5727, 5810..5853, 6203..6548		
GI Descrip.	'5833467/gb|AAD53522.1|AF158602_1 9.0e-53 (AF158602) monodehydroascorbate reductase [Zantedeschia aethiopica]'		

Seq. No.	50130	Seq. ID	OJ000328_01.0419.C30
Gene No.	106510	Strand	+
Start	1850	End	6548
Name	OJ000328_01.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	5308	End	6304
GI	none	Score	117
Exons	5308..5400, 5308..5382, 5322..5411, 5328..5408, 5472..5555, 5477..5566, 5481..5567, 5482..5574, 5663..5731, 5664..5753, 5817..5855, 6200..6304		

Seq. No.	50131	Seq. ID	OJ000328_01.0419.C31
Gene No.	106511	Strand	+
Start	711	End	3025
Name	OJ000328_01.0419.C31.o1.np	Method	AAT/NAP
Start	711	End	3025
GI	7487974	Score	447
Exons	711..1145, 2408..2463, 2565..2707, 2976..3025		
GI Descrip.	nodulin-26 homolog F24G24.180 - Arabidopsis thaliana gi|4538967|emb|CAB39791.1| (AL049488) major intrinsic protein (MIP)-like [Arabidopsis thaliana] gi|7267735|emb|CAB78161.1| (AL161517) major intrinsic protein (MIP)-like [Arabidopsis thaliana]		

Seq. No.	50131	Seq. ID	OJ000328_01.0419.C31
Gene No.	106511	Strand	+
Start	711	End	3025
Name	OJ000328_01.0419.C31.o1.gs	Method	GENSCAN
Start	771	End	1244
GI	none	Score	.88
Exons	771..1244		

Seq. No.	50131	Seq. ID	OJ000328_01.0419.C31
Gene No.	106512	Strand	-
Start	2557	End	2718
Name	OJ000328_01.0419.C31.o2.gs	Method	GENSCAN
Start	2557	End	2718
GI	none	Score	.98
Exons	2557..2718		

Seq. No.	50132	Seq. ID	OJ000328_01.0419.C32
Gene No.	106513	Strand	+
Start	295	End	4909
Name	OJ000328_01.0419.C32.o1.gs	Method	GENSCAN
Start	295	End	4909
GI	none	Score	.69
Exons	295..345, 1748..1801, 2299..2514, 2618..3037, 3151..3212, 4052..4207, 4611..4909		

Seq. No.	50132	Seq. ID	OJ000328_01.0419.C32
Gene No.	106513	Strand	+
Start	295	End	4909
Name	OJ000328_01.0419.C32.o1.np	Method	AAT/NAP
Start	1248	End	4585
GI	7487974	Score	515
Exons	1248..1300, 1867..1937, 2618..3037, 3151..3212, 3446..3589, 4537..4585		
GI Descrip.	nodulin-26 homolog F24G24.180 - Arabidopsis thaliana gi|4538967|emb|CAB39791.1| (AL049488) major intrinsic protein (MIP)-like [Arabidopsis thaliana] gi|7267735|emb|CAB78161.1| (AL161517) major intrinsic protein (MIP)-like [Arabidopsis thaliana]		

Seq. No.	50132	Seq. ID	OJ000328_01.0419.C32
Gene No.	106513	Strand	+
Start	295	End	4909
Name	OJ000328_01.0419.C32.o1.gp	Method	AAT/GAP
Start	2101	End	2531
GI	none	Score	805
Exons	2101..2531		

Seq. No.	50132	Seq. ID	OJ000328_01.0419.C32
Gene No.	106513	Strand	+
Start	295	End	4909
Name	OJ000328_01.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	2600	End	3604
GI	none	Score	248
Exons	2600..2941, 2615..2944, 3002..3049, 3446..3604, 3447..3590		

Seq. No.	50132	Seq. ID	OJ000328_01.0419.C32
Gene No.	106513	Strand	+
Start	295	End	4909
Name	OJ000328_01.0419.C32.o1.tc	Method	TBLASTX:Cress
Start	2623	End	3587
GI	none	Score	191
Exons	2623..2823, 2624..2911, 3447..3587, 3458..3565		

Seq. No.	50132	Seq. ID	OJ000328_01.0419.C32

Gene No.	106513	Strand	+
Start	295	End	4909
Name	OJ000328_01.0419.C32.o2.gp	Method	AAT/GAP
Start	3011	End	3928
GI	uC-osroM202030b11a1	Score	853
Exons	3011..3037, 3151..3212, 3446..3603, 3700..3928		
GI Descrip.	'5042430/gb|AAD38269.1|AC006193_25 4.0e-28 (AC006193) Putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106514	Strand	+
Start	2092	End	4608
Name	OJ000328_01.0419.C33.o1.gs	Method	GENSCAN
Start	2092	End	4563
GI	none	Score	.76
Exons	2092..2140, 3092..3343, 3716..4135, 4233..4294, 4416..4563		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106514	Strand	+
Start	2092	End	4608
Name	OJ000328_01.0419.C33.o1.np	Method	AAT/NAP
Start	3694	End	4608
GI	7487974	Score	511
Exons	3694..4135, 4233..4294, 4416..4608		
GI Descrip.	nodulin-26 homolog F24G24.180 - Arabidopsis thaliana gi|4538967|emb|CAB39791.1| (AL049488) major intrinsic protein (MIP)-like [Arabidopsis thaliana] gi|7267735|emb|CAB78161.1| (AL161517) major intrinsic protein (MIP)-like [Arabidopsis thaliana]		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106515	Strand	+
Start	5260	End	6627
Name	OJ000328_01.0419.C33.o2.np	Method	AAT/NAP
Start	5260	End	6627
GI	6016874	Score	45
Exons	5260..5391, 6596..6627		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106516	Strand	+
Start	6549	End	6759
Name	OJ000328_01.0419.C33.o1.gp	Method	AAT/GAP
Start	6549	End	6759
GI	2801124	Score	312
Exons	6549..6759		
GI Descrip.	5042430/gb|AAD38269.1|AC006193_25 4.0e-28 (AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o3.tm	Method	TBLASTX:Maize
Start	3710	End	4560
GI	none	Score	238

Exons	3710..3790, 3713..4045, 3802..3912, 3881..4045, 4027..4137, 4232..4294, 4233..4295, 4417..4560		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o2.tc	Method	TBLASTX:Cress
Start	3718	End	4557
GI	none	Score	203
Exons	3718..3921, 3722..4009, 4233..4301, 4417..4557		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o2.ts	Method	TBLASTX:Soybean
Start	4233	End	4560
GI	none	Score	75
Exons	4233..4301, 4417..4560		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o2.gs	Method	GENSCAN
Start	5395	End	6161
GI	none	Score	.77
Exons	5395..5688, 5799..6161		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o3.np	Method	AAT/NAP
Start	5514	End	6998
GI	5042430	Score	445
Exons	5514..5549, 6575..6998		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o2.tm	Method	TBLASTX:Maize
Start	5772	End	6307
GI	none	Score	123
Exons	5772..5936, 5940..6176, 5945..6181, 6230..6307		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o2.tw	Method	TBLASTX:Wheat
Start	5945	End	6299
GI	none	Score	220
Exons	5945..6112, 5949..6137, 6231..6299		
Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o3.gs	Method	GENSCAN
Start	6536	End	6976

GI	none	Score	1
Exons	6536..6976		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	6542	End	6995
GI	none	Score	176
Exons	6542..6793, 6555..6869, 6560..6994, 6936..6995		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o1.tc	Method	TBLASTX:Cress
Start	6561	End	6995
GI	none	Score	199
Exons	6561..6764, 6575..6763, 6746..6994, 6933..6995		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	6561	End	6883
GI	none	Score	295
Exons	6561..6875, 6578..6883		

Seq. No.	50133	Seq. ID	OJ000328_01.0419.C33
Gene No.	106517	Strand	-
Start	5395	End	6998
Name	OJ000328_01.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	6617	End	6994
GI	none	Score	93
Exons	6617..6757, 6621..6758, 6746..6994		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106518	Strand	+
Start	65	End	565
Name	OJ000328_01.0419.C34.o1.gs	Method	GENSCAN
Start	65	End	565
GI	none	Score	.63
Exons	65..565		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106519	Strand	+
Start	5964	End	7655
Name	OJ000328_01.0419.C34.o3.gs	Method	GENSCAN
Start	5964	End	7514
GI	none	Score	1
Exons	5964..7514		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106519	Strand	+
Start	5964	End	7655
Name	OJ000328_01.0419.C34.o1.np	Method	AAT/NAP
Start	5988	End	7493
GI	5042430	Score	1164

Exons	5988..7493		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106519	Strand	+
Start	5964	End	7655
Name	OJ000328_01.0419.C34.o3.gp	Method	AAT/GAP
Start	7249	End	7655
GI	2801124	Score	728
Exons	7249..7655		
GI Descrip.	5042430/gb|AAD38269.1|AC006193_25 4.0e-28 (AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106520	Strand	+
Start	10653	End	12375
Name	OJ000328_01.0419.C34.o5.gs	Method	GENSCAN
Start	10653	End	12375
GI	none	Score	.7
Exons	10653..10739, 10789..10935, 10943..11245, 12120..12200, 12256..12375		
Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106521	Strand	-
Start	212	End	565
Name	OJ000328_01.0419.C34.o1.gp	Method	AAT/GAP
Start	212	End	565
GI	none	Score	491
Exons	212..565		
Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106522	Strand	-
Start	3084	End	4500
Name	OJ000328_01.0419.C34.o2.gs	Method	GENSCAN
Start	3084	End	4500
GI	none	Score	.88
Exons	3084..3477, 4487..4500		
Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106523	Strand	-
Start	7048	End	11204
Name	OJ000328_01.0419.C34.o2.np	Method	AAT/NAP
Start	7048	End	10805
GI	7487055	Score	295
Exons	7048..7087, 8718..8817, 8908..9137, 9528..9703, 10659..10805		
GI Descrip.	hypothetical protein T16B24.19 - Arabidopsis thaliana gi|3402687|gb|AAC28990.1| (AC004697) unknown protein [Arabidopsis thaliana]		
Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106523	Strand	-
Start	7048	End	11204
Name	OJ000328_01.0419.C34.o4.gp	Method	AAT/GAP
Start	8336	End	9003
GI	45127_1.R1084	Score	1253
Exons	8336..9003		
GI Descrip.	'4432844/gb|AAD20693| 3.0e-27 (AC006283) unknown protein		

[Arabidopsis thaliana]'

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106523	Strand	-
Start	7048	End	11204
Name	OJ000328_01.0419.C34.o5.gp	Method	AAT/GAP
Start	10678	End	11204
GI	3761529	Score	658
Exons	10678..10771, 10915..11204		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o2.ts	Method	TBLASTX:Soybean
Start	1	End	7496
GI	none	Score	94
Exons	1..117, 205..231, 254..298, 6354..6497, 6510..6629, 6668..6772, 6846..6995, 6860..6949, 7005..7262, 7031..7144, 7251..7391, 7289..7387, 7410..7496		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o5.tm	Method	TBLASTX:Maize
Start	4	End	6301
GI	none	Score	100
Exons	4..135, 5..136, 205..231, 242..328, 255..323, 345..458, 353..457, 6099..6194, 6104..6202, 6219..6272, 6233..6301		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	7	End	7487
GI	none	Score	56
Exons	7..129, 205..231, 275..331, 6219..6272, 6351..6503, 6356..6517, 6497..6766, 6498..6773, 6792..6830, 6837..7262, 6857..6949, 7031..7210, 7245..7487, 7283..7384, 7448..7480		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o3.tm	Method	TBLASTX:Maize
Start	3410	End	14281
GI	none	Score	274
Exons	3410..3526, 14064..14279, 14068..14280, 14069..14281		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	6351	End	7430
GI	none	Score	79
Exons	6351..6512, 6362..6511, 6509..6625, 6510..6629, 6825..6980, 6825..6977, 7014..7430, 7014..7109, 7031..7216, 7096..7116, 7215..7397		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o3.tw	Method	TBLASTX:Wheat
Start	6768	End	7103
GI	none	Score	182
Exons	6768..7103, 6846..7076		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o1.tw	Method	TBLASTX:Wheat
Start	7125	End	7496
GI	none	Score	412
Exons	7125..7496, 7218..7409, 7283..7489		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o4.tm	Method	TBLASTX:Maize
Start	8972	End	10887
GI	none	Score	103
Exons	8972..9079, 8973..9053, 9077..9139, 9077..9136, 9078..9140, 9513..9692, 9527..9706, 9531..9704, 9532..9705, 10653..10718, 10659..10862, 10660..10887		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o6.gs	Method	GENSCAN
Start	12787	End	14279
GI	none	Score	.53
Exons	12787..12898, 13195..14279		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o3.np	Method	AAT/NAP
Start	13506	End	14470
GI	7485424	Score	239
Exons	13506..13708, 13808..14117, 14337..14470		
GI Descrip.	hypothetical protein F13C5.210 - Arabidopsis thaliana gi|2832632|emb|CAA16761.1| (AL021711) hypothetical protein [Arabidopsis thaliana] gi|7268699|emb|CAB78906.1| (AL161550) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o3.tc	Method	TBLASTX:Cress
Start	13509	End	13803
GI	none	Score	196
Exons	13509..13802, 13510..13803		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470

Name	OJ000328_01.0419.C34.o6.gp	Method	AAT/GAP
Start	13510	End	13902
GI	4968947	Score	767
Exons	13510..13902		
GI Descrip.	4432844/gb|AAD20693| 3.0e-27 (AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	13517	End	14061
GI	none	Score	373
Exons	13517..13939, 13518..13940, 13518..13940, 13519..13941, 13528..13941, 13914..14060, 13935..14045, 13942..14061		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	13566	End	14246
GI	none	Score	192
Exons	13566..13973, 13615..13974, 14004..14246, 14071..14244		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o2.tw	Method	TBLASTX:Wheat
Start	13587	End	13938
GI	none	Score	66
Exons	13587..13937, 13596..13799, 13612..13938		

Seq. No.	50134	Seq. ID	OJ000328_01.0419.C34
Gene No.	106524	Strand	-
Start	12787	End	14470
Name	OJ000328_01.0419.C34.o2.tc	Method	TBLASTX:Cress
Start	13815	End	14261
GI	none	Score	77
Exons	13815..13955, 13837..13962, 13837..13962, 14007..14198, 14010..14198, 14038..14199, 14193..14261		

Seq. No.	50135	Seq. ID	OJ000328_01.0419.C35
Gene No.	106525	Strand	+
Start	1659	End	4698
Name	OJ000328_01.0419.C35.o1.np	Method	AAT/NAP
Start	1659	End	4698
GI	7020803	Score	66
Exons	1659..1708, 2882..2944, 3036..3079, 3310..3429, 4646..4698		
GI Descrip.	(AK000599) unnamed protein product [Homo sapiens]		

Seq. No.	50135	Seq. ID	OJ000328_01.0419.C35
Gene No.	106526	Strand	-
Start	166	End	286
Name	OJ000328_01.0419.C35.o1.gp	Method	AAT/GAP
Start	166	End	286
GI	none	Score	196
Exons	166..286		

Seq. No.	50135	Seq. ID	OJ000328_01.0419.C35
Gene No.	106527	Strand	
Start	2299	End	2587
Name	OJ000328_01.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	2299	End	2587
GI	none	Score	47
Exons	2299..2334, 2321..2407, 2322..2408, 2326..2397, 2328..2411, 2329..2409, 2434..2484, 2451..2483, 2476..2586, 2477..2587, 2478..2585, 2491..2586		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106528	Strand	+
Start	362	End	534
Name	OJ000328_01.0419.C36.o1.gs	Method	GENSCAN
Start	362	End	534
GI	none	Score	.61
Exons	362..534		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	799	End	4285
GI	none	Score	47
Exons	799..834, 958..987, 1036..1062, 1133..1171, 1142..1189, 1155..1190, 1185..1286, 1189..1287, 1213..1287, 1220..1294, 1348..1440, 1349..1432, 1363..1434, 1715..1825, 1720..1809, 1721..1816, 1723..1833, 1998..2150, 2001..2111, 2003..2113, 2177..2275, 2183..2263, 2196..2270, 2277..2345, 2641..2730, 2642..2731, 2643..2723, 2644..2724, 2818..2934, 2829..2939, 3857..3979, 3857..3955, 4108..4194, 4109..4285, 4115..4195		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o1.gp	Method	AAT/GAP
Start	1092	End	2074
GI	none	Score	738
Exons	1092..1284, 1363..1431, 1722..1808, 2003..2074		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o2.gs	Method	GENSCAN
Start	1105	End	7471
GI	none	Score	.89
Exons	1105..1284, 1363..1431, 1722..1808, 2003..2110, 2183..2273, 2643..2722, 2829..2933, 3857..3951, 4211..4301, 4579..4864, 7455..7471		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o1.np	Method	AAT/NAP
Start	2601	End	4793
GI	7460049	Score	383

Exons	2601..2722, 2829..2933, 3857..3951, 4110..4188, 4608..4793
GI Descrip.	hypothetical protein F7L13.10 - Arabidopsis thaliana gi|4539403|emb|CAB40036.1| (AL049524) putative protein [Arabidopsis thaliana] gi|7267740|emb|CAB78166.1| (AL161517) putative protein [Arabidopsis thaliana]

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o1.tc	Method	TBLASTX:Cress
Start	2647	End	3946
GI	none	Score	72
Exons	2647..2724, 2648..2725, 2648..2731, 2827..2928, 2829..2939, 2842..2934, 3857..3946		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o2.gp	Method	AAT/GAP
Start	3855	End	4191
GI	none	Score	256
Exons	3855..3937, 4110..4191		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o3.gp	Method	AAT/GAP
Start	4612	End	4822
GI	none	Score	373
Exons	4612..4822		

Seq. No.	50136	Seq. ID	OJ000328_01.0419.C36
Gene No.	106529	Strand	-
Start	1105	End	7471
Name	OJ000328_01.0419.C36.o4.gp	Method	AAT/GAP
Start	4612	End	4822
GI	none	Score	371
Exons	4612..4822		

Seq. No.	50137	Seq. ID	OJ000328_01.0419.C37
Gene No.	106530	Strand	-
Start	808	End	961
Name	OJ000328_01.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	43	End	431
GI	none	Score	59
Exons	43..87, 44..109, 45..110, 146..262, 168..263, 328..420, 339..431, 339..419		

Seq. No.	50137	Seq. ID	OJ000328_01.0419.C37
Gene No.	106530	Strand	-
Start	808	End	961
Name	OJ000328_01.0419.C37.o1.gs	Method	GENSCAN
Start	808	End	961
GI	none	Score	.65
Exons	808..961		

Seq. No.	50138	Seq. ID	OJ000328_01.0419.C38

Gene No.	106531	Strand	-
Start	1	End	1676
Name	OJ000328_01.0419.C38.o1.gp	Method	AAT/GAP
Start	1	End	1676
GI	3548939	Score	899
Exons	1..125, 203..270, 575..848, 1578..1676		

Seq. No.	50139	Seq. ID	OJ000328_01.0419.C39
Gene No.	106532	Strand	+
Start	60	End	198
Name	OJ000328_01.0419.C39.o1.gs	Method	GENSCAN
Start	60	End	198
GI	none	Score	1
Exons	60..198		

Seq. No.	50139	Seq. ID	OJ000328_01.0419.C39
Gene No.	106533	Strand	-
Start	380	End	1279
Name	OJ000328_01.0419.C39.o1.np	Method	AAT/NAP
Start	380	End	1279
GI	3037018	Score	101
Exons	380..689, 810..1056, 1190..1279		
GI Descrip.	(AF041330) NADH dehydrogenase subunit 5 [Bodo saltans]		

Seq. No.	50140	Seq. ID	OJ000328_01.0419.C40
Gene No.	106534	Strand	+
Start	1201	End	5015
Name	OJ000328_01.0419.C40.o1.gs	Method	GENSCAN
Start	1201	End	4644
GI	none	Score	.52
Exons	1201..1314, 1799..1953, 2038..2181, 2845..3121, 3258..3312, 3808..3983, 4081..4281, 4381..4644		

Seq. No.	50140	Seq. ID	OJ000328_01.0419.C40
Gene No.	106534	Strand	+
Start	1201	End	5015
Name	OJ000328_01.0419.C40.o1.np	Method	AAT/NAP
Start	2788	End	5015
GI	4204793	Score	456
Exons	2788..3170, 3802..3983, 4081..4281, 4381..4640, 4907..5015		
GI Descrip.	(U52079) P-glycoprotein [Solanum tuberosum]		

Seq. No.	50140	Seq. ID	OJ000328_01.0419.C40
Gene No.	106534	Strand	+
Start	1201	End	5015
Name	OJ000328_01.0419.C40.o1.tc	Method	TBLASTX:Cress
Start	2912	End	4991
GI	none	Score	97
Exons	2912..3076, 3806..3985, 3807..4004, 4078..4284, 4372..4641, 4395..4598, 4908..4991		

Seq. No.	50141	Seq. ID	OJ000328_01.0419.C41
Gene No.	106535	Strand	+
Start	1	End	890
Name	OJ000328_01.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	873
GI	6671365	Score	380

Exons	1..114, 538..873		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		
Seq. No.	50141	Seq. ID	OJ000328_01.0419.C41
Gene No.	106535	Strand	+
Start	1	End	890
Name	OJ000328_01.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	1	End	824
GI	none	Score	101
Exons	1..138, 502..819, 537..824		
Seq. No.	50141	Seq. ID	OJ000328_01.0419.C41
Gene No.	106535	Strand	+
Start	1	End	890
Name	OJ000328_01.0419.C41.o1.gs	Method	GENSCAN
Start	22	End	890
GI	none	Score	.73
Exons	22..114, 538..890		
Seq. No.	50141	Seq. ID	OJ000328_01.0419.C41
Gene No.	106535	Strand	+
Start	1	End	890
Name	OJ000328_01.0419.C41.o1.tc	Method	TBLASTX:Cress
Start	532	End	861
GI	none	Score	366
Exons	532..654, 535..861, 537..800		
Seq. No.	50141	Seq. ID	OJ000328_01.0419.C41
Gene No.	106535	Strand	+
Start	1	End	890
Name	OJ000328_01.0419.C41.o1.tw	Method	TBLASTX:Wheat
Start	534	End	783
GI	none	Score	70
Exons	534..710, 540..779, 541..783		
Seq. No.	50141	Seq. ID	OJ000328_01.0419.C41
Gene No.	106535	Strand	+
Start	1	End	890
Name	OJ000328_01.0419.C41.o1.ts	Method	TBLASTX:Soybean
Start	537	End	855
GI	none	Score	348
Exons	537..800, 538..855		
Seq. No.	50142	Seq. ID	OJ000328_02.0419.C4
Gene No.	106536	Strand	+
Start	2594	End	2667
Name	OJ000328_02.0419.C4.o2.np	Method	AAT/NAP
Start	2594	End	2667
GI	6630699	Score	77
Exons	2594..2667		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	50142	Seq. ID	OJ000328_02.0419.C4
Gene No.	106537	Strand	-
Start	1164	End	2517

Name	OJ000328_02.0419.C4.o1.np	Method	AAT/NAP
Start	933	End	2517
GI	7340909	Score	98
Exons	933..1227, 2495..2517		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	50142	Seq. ID	OJ000328_02.0419.C4
Gene No.	106537	Strand	-
Start	1164	End	2517
Name	OJ000328_02.0419.C4.o1.gs	Method	GENSCAN
Start	1164	End	2080
GI	none	Score	.63
Exons	1164..1298, 1329..1457, 2043..2080		

Seq. No.	50143	Seq. ID	OJ000328_02.0419.C5
Gene No.	106538	Strand	+
Start	226	End	530
Name	OJ000328_02.0419.C5.o1.gs	Method	GENSCAN
Start	226	End	530
GI	none	Score	.71
Exons	226..319, 433..530		

Seq. No.	50144	Seq. ID	OJ000328_02.0419.C7
Gene No.	106539	Strand	-
Start	1	End	2841
Name	OJ000328_02.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	2841
GI	6063557	Score	129
Exons	1..35, 2412..2496, 2745..2841		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	50144	Seq. ID	OJ000328_02.0419.C7
Gene No.	106539	Strand	-
Start	1	End	2841
Name	OJ000328_02.0419.C7.o1.gs	Method	GENSCAN
Start	513	End	2835
GI	none	Score	.7
Exons	513..634, 677..814, 2715..2835		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106540	Strand	+
Start	940	End	5166
Name	OJ000328_02.0419.C8.o1.gs	Method	GENSCAN
Start	940	End	5050
GI	none	Score	.56
Exons	940..1021, 1839..1936, 2077..2196, 2223..2916, 4809..5050		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106540	Strand	+
Start	940	End	5166
Name	OJ000328_02.0419.C8.o4.gp	Method	AAT/GAP
Start	4681	End	5166
GI	none	Score	936
Exons	4681..5166		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106541	Strand	+

Start	7726	End	8246
Name	OJ000328_02.0419.C8.o5.gp	Method	AAT/GAP
Start	7531	End	8246
GI	none	Score	1104
Exons	7531..7591, 7705..8246		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106541	Strand	+
Start	7726	End	8246
Name	OJ000328_02.0419.C8.o2.gs	Method	GENSCAN
Start	7726	End	7995
GI	none	Score	.78
Exons	7726..7995		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106542	Strand	-
Start	195	End	367
Name	OJ000328_02.0419.C8.o1.gp	Method	AAT/GAP
Start	195	End	367
GI	LIB3433-026-P1-K1-C1	Score	246
Exons	195..367		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106543	Strand	-
Start	753	End	6252
Name	OJ000328_02.0419.C8.o1.np	Method	AAT/NAP
Start	753	End	6252
GI	6063554	Score	157
Exons	753..925, 2022..2282, 6222..6252		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106543	Strand	-
Start	753	End	6252
Name	OJ000328_02.0419.C8.o3.gp	Method	AAT/GAP
Start	913	End	1323
GI	2428185	Score	652
Exons	913..1323		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106544	Strand	-
Start	8607	End	8749
Name	OJ000328_02.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	4829	End	7935
GI	none	Score	52
Exons	4829..4873, 4836..4877, 4946..5077, 4947..5084, 4967..5086, 5123..5170, 5135..5170, 7891..7935		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106544	Strand	-
Start	8607	End	8749

Name	OJ000328_02.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	4937	End	7935
GI	none	Score	195
Exons	4937..5077, 4938..5087, 4972..5079, 7840..7935		

Seq. No.	50145	Seq. ID	OJ000328_02.0419.C8
Gene No.	106544	Strand	-
Start	8607	End	8749
Name	OJ000328_02.0419.C8.o3.gs	Method	GENSCAN
Start	8607	End	8749
GI	none	Score	.99
Exons	8607..8749		

Seq. No.	50146	Seq. ID	OJ000328_02.0419.C10
Gene No.	106545	Strand	+
Start	159	End	270
Name	OJ000328_02.0419.C10.o1.gs	Method	GENSCAN
Start	159	End	270
GI	none	Score	.62
Exons	159..270		

Seq. No.	50147	Seq. ID	OJ000328_02.0419.C11
Gene No.	106546	Strand	-
Start	969	End	1731
Name	OJ000328_02.0419.C11.o1.gs	Method	GENSCAN
Start	969	End	1731
GI	none	Score	.55
Exons	969..1024, 1713..1731		

Seq. No.	50147	Seq. ID	OJ000328_02.0419.C11
Gene No.	106547	Strand	
Start	2147	End	2762
Name	OJ000328_02.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	2147	End	2762
GI	none	Score	107
Exons	2147..2281, 2280..2567, 2280..2549, 2492..2560, 2565..2762, 2597..2734		

Seq. No.	50147	Seq. ID	OJ000328_02.0419.C11
Gene No.	106547	Strand	
Start	2147	End	2762
Name	OJ000328_02.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	2195	End	2468
GI	none	Score	87
Exons	2195..2281, 2280..2468, 2283..2396, 2285..2464		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106548	Strand	+
Start	1753	End	2470
Name	OJ000328_02.0419.C12.o1.gs	Method	GENSCAN
Start	1753	End	2470
GI	none	Score	.91
Exons	1753..1816, 1821..2064, 2353..2470		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106549	Strand	+
Start	2658	End	2966

Name	OJ000328_02.0419.C12.o2.gp	Method	AAT/GAP
Start	2658	End	2966
GI	72524_1.R1084	Score	416
Exons	2658..2966		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106549	Strand	+
Start	2658	End	2966
Name	OJ000328_02.0419.C12.o3.gp	Method	AAT/GAP
Start	2861	End	2966
GI	5816518	Score	156
Exons	2861..2966		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106550	Strand	-
Start	2508	End	2852
Name	OJ000328_02.0419.C12.o1.np	Method	AAT/NAP
Start	2508	End	2705
GI	7106512	Score	102
Exons	2508..2571, 2645..2705		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106550	Strand	-
Start	2508	End	2852
Name	OJ000328_02.0419.C12.o1.gp	Method	AAT/GAP
Start	2602	End	2852
GI	3761181	Score	406
Exons	2602..2852		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106551	Strand	-
Start	4851	End	7474
Name	OJ000328_02.0419.C12.o3.gs	Method	GENSCAN
Start	4851	End	6124
GI	none	Score	.72
Exons	4851..5081, 5089..5280, 5327..6124		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106551	Strand	-
Start	4851	End	7474
Name	OJ000328_02.0419.C12.o2.np	Method	AAT/NAP
Start	4905	End	7474
GI	7106512	Score	2391
Exons	4905..5280, 5335..6097, 6337..6855, 6905..7474		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50148	Seq. ID	OJ000328_02.0419.C12
Gene No.	106551	Strand	-

Start	4851	End	7474
Name	OJ000328_02.0419.C12.o4.gs	Method	GENSCAN
Start	6797	End	7411
GI	none	Score	.89
Exons	6797..7411		

Seq. No.	50149	Seq. ID	OJ000328_02.0419.C13
Gene No.	106552	Strand	-
Start	1	End	2810
Name	OJ000328_02.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	2810
GI	5091513	Score	657
Exons	1..405, 2774..2810		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	50149	Seq. ID	OJ000328_02.0419.C13
Gene No.	106552	Strand	-
Start	1	End	2810
Name	OJ000328_02.0419.C13.o1.gs	Method	GENSCAN
Start	25	End	2022
GI	none	Score	.59
Exons	25..444, 556..902, 986..1046, 1428..1589, 1985..2022		

Seq. No.	50149	Seq. ID	OJ000328_02.0419.C13
Gene No.	106552	Strand	-
Start	1	End	2810
Name	OJ000328_02.0419.C13.o1.gp	Method	AAT/GAP
Start	1077	End	1327
GI	3761181	Score	400
Exons	1077..1327		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	50149	Seq. ID	OJ000328_02.0419.C13
Gene No.	106552	Strand	-
Start	1	End	2810
Name	OJ000328_02.0419.C13.o2.gp	Method	AAT/GAP
Start	1133	End	1441
GI	72524_1.R1084	Score	417
Exons	1133..1441		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	50149	Seq. ID	OJ000328_02.0419.C13
Gene No.	106552	Strand	-
Start	1	End	2810
Name	OJ000328_02.0419.C13.o3.gp	Method	AAT/GAP
Start	1335	End	1449
GI	5816518	Score	154
Exons	1335..1449		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	50149	Seq. ID	OJ000328_02.0419.C13
Gene No.	106552	Strand	-
Start	1	End	2810
Name	OJ000328_02.0419.C13.o4.gp	Method	AAT/GAP

Start	2698	End	2810
GI	LIB3475-012-P1-K1-H12	Score	215
Exons	2698..2810		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	50150	Seq. ID	OJ000328_02.0419.C16
Gene No.	106553	Strand	+
Start	517	End	750
Name	OJ000328_02.0419.C16.o1.gs	Method	GENSCAN
Start	517	End	750
GI	none	Score	.66
Exons	517..750		

Seq. No.	50150	Seq. ID	OJ000328_02.0419.C16
Gene No.	106554	Strand	+
Start	727	End	985
Name	OJ000328_02.0419.C16.o1.gp	Method	AAT/GAP
Start	727	End	985
GI	LIB3433-045-P1-K1-B4	Score	427
Exons	727..985		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	50151	Seq. ID	OJ000328_02.0419.C17
Gene No.	106555	Strand	+
Start	576	End	1059
Name	OJ000328_02.0419.C17.o1.gs	Method	GENSCAN
Start	576	End	1059
GI	none	Score	.86
Exons	576..615, 914..1059		

Seq. No.	50151	Seq. ID	OJ000328_02.0419.C17
Gene No.	106556	Strand	-
Start	3612	End	4432
Name	OJ000328_02.0419.C17.o1.np	Method	AAT/NAP
Start	3547	End	3628
GI	7523502	Score	80
Exons	3547..3628		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50151	Seq. ID	OJ000328_02.0419.C17
Gene No.	106556	Strand	-
Start	3612	End	4432
Name	OJ000328_02.0419.C17.o2.gs	Method	GENSCAN
Start	3612	End	4432
GI	none	Score	.75
Exons	3612..3733, 4351..4432		

Seq. No.	50152	Seq. ID	OJ000328_02.0419.C19
Gene No.	106557	Strand	+
Start	1	End	1114
Name	OJ000328_02.0419.C19.o2.gp	Method	AAT/GAP
Start	1	End	1114
GI	342_1.R1084	Score	1492
Exons	1..257, 389..486, 596..1114		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	50152	Seq. ID	OJ000328_02.0419.C19
Gene No.	106557	Strand	+
Start	1	End	1114
Name	OJ000328_02.0419.C19.o1.gs	Method	GENSCAN
Start	107	End	199
GI	none	Score	.58
Exons	107..199		

Seq. No.	50152	Seq. ID	OJ000328_02.0419.C19
Gene No.	106558	Strand	-
Start	1	End	242
Name	OJ000328_02.0419.C19.o1.gp	Method	AAT/GAP
Start	1	End	242
GI	LIB3431-028-P1-N1-A10	Score	378
Exons	1..144, 172..242		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	50152	Seq. ID	OJ000328_02.0419.C19
Gene No.	106559	Strand	-
Start	1308	End	1460
Name	OJ000328_02.0419.C19.o2.gs	Method	GENSCAN
Start	1308	End	1460
GI	none	Score	.87
Exons	1308..1460		

Seq. No.	50153	Seq. ID	OJ000328_02.0419.C20
Gene No.	106560	Strand	+
Start	953	End	4684
Name	OJ000328_02.0419.C20.o1.np	Method	AAT/NAP
Start	953	End	4684
GI	4680204	Score	1072
Exons	953..2389, 2464..3563, 3673..3846, 3943..4162, 4513..4608, 4643..4684		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	50153	Seq. ID	OJ000328_02.0419.C20
Gene No.	106560	Strand	+
Start	953	End	4684
Name	OJ000328_02.0419.C20.o1.gs	Method	GENSCAN
Start	968	End	4665
GI	none	Score	.61
Exons	968..2389, 2464..2605, 2782..2876, 2878..3563, 3673..3846, 3943..4053, 4138..4210, 4305..4403, 4483..4665		

Seq. No.	50153	Seq. ID	OJ000328_02.0419.C20
Gene No.	106561	Strand	-
Start	5028	End	5121
Name	OJ000328_02.0419.C20.o1.tw	Method	TBLASTX:Wheat
Start	1596	End	1999
GI	none	Score	62
Exons	1596..1736, 1596..1712, 1598..1834, 1598..1747, 1699..1839, 1829..1999, 1904..1999		

Seq. No.	50153	Seq. ID	OJ000328_02.0419.C20

Gene No.	106561	Strand	-
Start	5028	End	5121
Name	OJ000328_02.0419.C20.o2.tw	Method	TBLASTX:Wheat
Start	2000	End	2676
GI	none	Score	69
Exons	2000..2080, 2321..2392, 2455..2676, 2457..2531		

Seq. No.	50153	Seq. ID	OJ000328_02.0419.C20
Gene No.	106561	Strand	-
Start	5028	End	5121
Name	OJ000328_02.0419.C20.o3.tw	Method	TBLASTX:Wheat
Start	3490	End	4012
GI	none	Score	61
Exons	3490..3570, 3659..3841, 3709..3834, 3941..4012		

Seq. No.	50153	Seq. ID	OJ000328_02.0419.C20
Gene No.	106561	Strand	-
Start	5028	End	5121
Name	OJ000328_02.0419.C20.o1.gp	Method	AAT/GAP
Start	5028	End	5121
GI	21474_1.R1084	Score	142
Exons	5028..5121		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50154	Seq. ID	OJ000328_02.0419.C21
Gene No.	106562	Strand	+
Start	243	End	373
Name	OJ000328_02.0419.C21.o1.gs	Method	GENSCAN
Start	243	End	373
GI	none	Score	.86
Exons	243..373		

Seq. No.	50154	Seq. ID	OJ000328_02.0419.C21
Gene No.	106563	Strand	-
Start	2011	End	4002
Name	OJ000328_02.0419.C21.o2.gs	Method	GENSCAN
Start	2011	End	4002
GI	none	Score	.76
Exons	2011..2252, 3744..4002		

Seq. No.	50155	Seq. ID	OJ000328_02.0419.C22
Gene No.	106564	Strand	+
Start	10	End	191
Name	OJ000328_02.0419.C22.o1.gs	Method	GENSCAN
Start	10	End	191
GI	none	Score	.69
Exons	10..64, 163..191		

Seq. No.	50156	Seq. ID	OJ000328_02.0419.C24
Gene No.	106565	Strand	+
Start	5801	End	6103
Name	OJ000328_02.0419.C24.o2.gs	Method	GENSCAN
Start	5801	End	6103
GI	none	Score	.92
Exons	5801..6103		

Seq. No.	50156	Seq. ID	OJ000328_02.0419.C24
Gene No.	106565	Strand	+
Start	5801	End	6103
Name	OJ000328_02.0419.C24.o1.gp	Method	AAT/GAP
Start	5808	End	6014
GI	2797860	Score	291
Exons	5808..6014		

Seq. No.	50157	Seq. ID	OJ000328_02.0419.C29
Gene No.	106566	Strand	-
Start	385	End	463
Name	OJ000328_02.0419.C29.o1.gs	Method	GENSCAN
Start	385	End	463
GI	none	Score	.75
Exons	385..463		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o1.np	Method	AAT/NAP
Start	1	End	2066
GI	6466937	Score	1417
Exons	1..2066		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o5.tm	Method	TBLASTX:Maize
Start	12	End	242
GI	none	Score	221
Exons	12..242, 23..136, 39..242		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o1.tw	Method	TBLASTX:Wheat
Start	83	End	392
GI	none	Score	326
Exons	83..172, 84..392, 96..386		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o1.ts	Method	TBLASTX:Soybean
Start	153	End	506
GI	none	Score	320
Exons	153..506		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o2.tm	Method	TBLASTX:Maize
Start	243	End	782
GI	none	Score	388
Exons	243..641, 251..385, 530..640, 637..756, 642..782		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o4.tw	Method	TBLASTX:Wheat
Start	399	End	620
GI	none	Score	169
Exons	399..620, 399..449, 486..617		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o4.tm	Method	TBLASTX:Maize
Start	795	End	1154
GI	none	Score	250
Exons	795..1154, 818..970, 1025..1138		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o3.tw	Method	TBLASTX:Wheat
Start	923	End	1300
GI	none	Score	246
Exons	923..985, 924..1244, 1031..1213, 1271..1300		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	1155	End	1766
GI	none	Score	71
Exons	1155..1244, 1262..1762, 1308..1766		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o2.tw	Method	TBLASTX:Wheat
Start	1389	End	1976
GI	none	Score	244
Exons	1389..1775, 1836..1976		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o2.ts	Method	TBLASTX:Soybean
Start	1398	End	1661
GI	none	Score	128
Exons	1398..1544, 1398..1541, 1554..1631, 1617..1661		

Seq. No.	50158	Seq. ID	OJ000328_02.0419.C31
Gene No.	106567	Strand	+
Start	1	End	2066
Name	OJ000328_02.0419.C31.o3.tm	Method	TBLASTX:Maize
Start	1775	End	2063
GI	none	Score	253
Exons	1775..2062, 1776..2063		

Seq. No.	50159	Seq. ID	OJ000328_02.0419.C35
Gene No.	106568	Strand	+
Start	1	End	873
Name	OJ000328_02.0419.C35.o1.gp	Method	AAT/GAP
Start	1	End	873
GI	342_1.R1084	Score	1521
Exons	1..873		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	50159	Seq. ID	OJ000328_02.0419.C35
Gene No.	106568	Strand	+
Start	1	End	873
Name	OJ000328_02.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	567
GI	6742729	Score	862
Exons	1..567		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	50159	Seq. ID	OJ000328_02.0419.C35
Gene No.	106568	Strand	+
Start	1	End	873
Name	OJ000328_02.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	21	End	469
GI	none	Score	58
Exons	21..146, 23..151, 26..94, 27..152, 133..465, 200..469, 320..469		

Seq. No.	50159	Seq. ID	OJ000328_02.0419.C35
Gene No.	106568	Strand	+
Start	1	End	873
Name	OJ000328_02.0419.C35.o1.tw	Method	TBLASTX:Wheat
Start	23	End	868
GI	none	Score	184
Exons	23..151, 24..152, 133..636, 157..459, 200..652, 320..637, 647..691, 651..686, 694..789, 698..757, 736..867, 737..868, 767..868		

Seq. No.	50159	Seq. ID	OJ000328_02.0419.C35
Gene No.	106568	Strand	+
Start	1	End	873
Name	OJ000328_02.0419.C35.o1.gs	Method	GENSCAN
Start	69	End	790
GI	none	Score	.62
Exons	69..150, 345..392, 501..790		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106569	Strand	+
Start	141	End	3783
Name	OJ000328_03.0419.C3.o1.np	Method	AAT/NAP
Start	141	End	3533
GI	7485738	Score	598
Exons	141..214, 2623..2973, 3060..3533		
GI Descrip.	hypothetical protein F18F4.70 - Arabidopsis thaliana gi|2827651|emb|CAA16605.1| (AL021637) putative protein [Arabidopsis thaliana] gi|7268792|emb|CAB78997.1| (AL161552) putative protein [Arabidopsis thaliana]		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106569	Strand	+
Start	141	End	3783
Name	OJ000328_03.0419.C3.o1.gp	Method	AAT/GAP
Start	1743	End	2151
GI	64353_1.R1084	Score	739
Exons	1743..2151		
GI Descrip.	'2286121 2.0e-31 (U88068) sec14 like protein [Oryza sativa]'		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106569	Strand	+
Start	141	End	3783
Name	OJ000328_03.0419.C3.o1.gs	Method	GENSCAN
Start	1755	End	3539
GI	none	Score	.72
Exons	1755..2129, 2604..2807, 2878..2973, 3060..3539		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106569	Strand	+
Start	141	End	3783
Name	OJ000328_03.0419.C3.o2.gp	Method	AAT/GAP
Start	2950	End	3783
GI	43215_1.R1084	Score	1445
Exons	2950..2973, 3060..3783		
GI Descrip.	'2827651/emb|CAA16605.1| 1.0e-33 (AL021637) putative protein [Arabidopsis thaliana]'		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	2809	End	3428
GI	none	Score	70
Exons	2809..2865, 2827..2973, 2913..2990, 2948..2989, 3059..3244, 3060..3260, 3261..3428, 3339..3425		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o2.tc	Method	TBLASTX:Cress
Start	2860	End	3284
GI	none	Score	113
Exons	2860..2973, 3059..3283, 3060..3284		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	3327	End	3496
GI	none	Score	192
Exons	3327..3485, 3332..3496		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	4898	End	5863

GI	none	Score	153
Exons	4898..5185, 4926..5192, 5786..5863		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o2.gs	Method	GENSCAN
Start	4925	End	6637
GI	none	Score	.76
Exons	4925..5203, 5798..6033, 6163..6248, 6588..6637		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o2.np	Method	AAT/NAP
Start	4928	End	6650
GI	6091744	Score	458
Exons	4928..5203, 5798..6037, 6524..6650		
GI Descrip.	(AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	4958	End	5225
GI	none	Score	346
Exons	4958..5206, 4959..5225, 5125..5220		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o3.tm	Method	TBLASTX:Maize
Start	5789	End	6649
GI	none	Score	66
Exons	5789..5899, 5795..5926, 5799..5999, 5906..6028, 5908..6024, 5912..6040, 5913..6038, 6611..6649		

Seq. No.	50160	Seq. ID	OJ000328_03.0419.C3
Gene No.	106570	Strand	-
Start	4925	End	6650
Name	OJ000328_03.0419.C3.o3.gp	Method	AAT/GAP
Start	5873	End	6650
GI	2428118	Score	327
Exons	5873..6033, 6613..6650		
GI Descrip.	6091744/gb|AAF03456.1|AC010797_32 1.0e-11 (AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	50161	Seq. ID	OJ000328_03.0419.C4
Gene No.	106571	Strand	+
Start	960	End	1073
Name	OJ000328_03.0419.C4.o1.gp	Method	AAT/GAP
Start	960	End	1073
GI	LIB3433-009-Q6-K1-D8	Score	158
Exons	960..1073		
GI Descrip.	'4731912/gb|AAD28548.1|AF111941_1 1.0e-19 (AF111941) development protein DG1148 [Dictyostelium discoideum]'		

Seq. No.	50161	Seq. ID	OJ000328_03.0419.C4
Gene No.	106572	Strand	-
Start	1	End	1796
Name	OJ000328_03.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	1796
GI	7022613	Score	311
Exons	1..72, 963..1302, 1777..1796		
GI Descrip.	(AK001385) unnamed protein product [Homo sapiens]		

Seq. No.	50161	Seq. ID	OJ000328_03.0419.C4
Gene No.	106572	Strand	-
Start	1	End	1796
Name	OJ000328_03.0419.C4.o1.gs	Method	GENSCAN
Start	175	End	1304
GI	none	Score	.48
Exons	175..375, 967..1304		

Seq. No.	50161	Seq. ID	OJ000328_03.0419.C4
Gene No.	106572	Strand	-
Start	1	End	1796
Name	OJ000328_03.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	917	End	1237
GI	none	Score	204
Exons	917..1237, 933..1217, 967..1227		

Seq. No.	50161	Seq. ID	OJ000328_03.0419.C4
Gene No.	106572	Strand	-
Start	1	End	1796
Name	OJ000328_03.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	994	End	1266
GI	none	Score	38
Exons	994..1266, 1022..1054, 1084..1266		

Seq. No.	50161	Seq. ID	OJ000328_03.0419.C4
Gene No.	106572	Strand	-
Start	1	End	1796
Name	OJ000328_03.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	1038	End	1332
GI	none	Score	245
Exons	1038..1328, 1039..1332, 1040..1306		

Seq. No.	50162	Seq. ID	OJ000328_03.0419.C6
Gene No.	106573	Strand	+
Start	1394	End	3437
Name	OJ000328_03.0419.C6.o1.gs	Method	GENSCAN
Start	1394	End	3366
GI	none	Score	.66
Exons	1394..1550, 1922..1980, 2646..3366		

Seq. No.	50162	Seq. ID	OJ000328_03.0419.C6
Gene No.	106573	Strand	+
Start	1394	End	3437
Name	OJ000328_03.0419.C6.o1.np	Method	AAT/NAP
Start	2010	End	3437
GI	2829915	Score	390
Exons	2010..2057, 2646..3145, 3173..3437		
GI Descrip.	(AC002291) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50162	Seq. ID	OJ000328_03.0419.C6
Gene No.	106573	Strand	+
Start	1394	End	3437
Name	OJ000328_03.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	2959	End	3432
GI	none	Score	508
Exons	2959..3417, 2979..3419, 2980..3420, 3295..3432		

Seq. No.	50163	Seq. ID	OJ000328_03.0419.C8
Gene No.	106574	Strand	+
Start	1798	End	2159
Name	OJ000328_03.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	10	End	185
GI	none	Score	50
Exons	10..75, 11..43, 11..136, 40..159, 42..185		

Seq. No.	50163	Seq. ID	OJ000328_03.0419.C8
Gene No.	106574	Strand	+
Start	1798	End	2159
Name	OJ000328_03.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	13	End	249
GI	none	Score	151
Exons	13..168, 14..136, 166..249		

Seq. No.	50163	Seq. ID	OJ000328_03.0419.C8
Gene No.	106574	Strand	+
Start	1798	End	2159
Name	OJ000328_03.0419.C8.o1.gs	Method	GENSCAN
Start	1798	End	2159
GI	none	Score	.76
Exons	1798..2159		

Seq. No.	50164	Seq. ID	OJ000328_03.0419.C9
Gene No.	106575	Strand	+
Start	67	End	2421
Name	OJ000328_03.0419.C9.o1.np	Method	AAT/NAP
Start	67	End	2421
GI	5915841	Score	734
Exons	67..570, 1921..2421		
GI Descrip.	CYTOCHROME P450 71E1 gi|2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		

Seq. No.	50164	Seq. ID	OJ000328_03.0419.C9
Gene No.	106575	Strand	+
Start	67	End	2421
Name	OJ000328_03.0419.C9.o1.gs	Method	GENSCAN
Start	70	End	2379
GI	none	Score	.98
Exons	70..570, 1921..2379		

Seq. No.	50164	Seq. ID	OJ000328_03.0419.C9
Gene No.	106575	Strand	+
Start	67	End	2421
Name	OJ000328_03.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	183	End	576
GI	none	Score	204

Exons	183..416, 247..576		
Seq. No.	50164	Seq. ID	OJ000328_03.0419.C9
Gene No.	106575	Strand	+
Start	67	End	2421
Name	OJ000328_03.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	207	End	2265
GI	none	Score	188
Exons	207..260, 270..476, 271..573, 505..570, 2164..2265		
Seq. No.	50164	Seq. ID	OJ000328_03.0419.C9
Gene No.	106575	Strand	+
Start	67	End	2421
Name	OJ000328_03.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	247	End	579
GI	none	Score	241
Exons	247..579, 306..527		
Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106576	Strand	+
Start	1	End	443
Name	OJ000328_03.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	443
GI	5915841	Score	512
Exons	1..443		
GI Descrip.	CYTOCHROME P450 71E1 gi|2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		
Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106576	Strand	+
Start	1	End	443
Name	OJ000328_03.0419.C10.o1.gs	Method	GENSCAN
Start	56	End	436
GI	none	Score	.83
Exons	56..436		
Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106577	Strand	+
Start	1328	End	2638
Name	OJ000328_03.0419.C10.o2.gs	Method	GENSCAN
Start	1328	End	2638
GI	none	Score	.77
Exons	1328..1355, 1913..2049, 2570..2638		
Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	448
GI	none	Score	472
Exons	1..135, 2..427, 193..435, 278..448		
Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	424

GI	none	Score	430
Exons	2..424, 4..414		

Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	4	End	420
GI	none	Score	390
Exons	4..135, 5..415, 214..420		

Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	158	End	450
GI	none	Score	249
Exons	158..436, 193..450		

Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o3.gs	Method	GENSCAN
Start	5074	End	5436
GI	none	Score	.62
Exons	5074..5436		

Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o2.tc	Method	TBLASTX:Cress
Start	5083	End	5287
GI	none	Score	107
Exons	5083..5286, 5092..5268, 5099..5287		

Seq. No.	50165	Seq. ID	OJ000328_03.0419.C10
Gene No.	106578	Strand	-
Start	5074	End	5436
Name	OJ000328_03.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	5092	End	5268
GI	none	Score	106
Exons	5092..5268, 5098..5268		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o1.np	Method	AAT/NAP
Start	2753	End	5908
GI	4376158	Score	706
Exons	2753..3164, 3265..3347, 4636..4831, 5576..5725, 5846..5908		
GI Descrip.	(X98873) aspartate kinase [Arabidopsis thaliana]		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o1.gs	Method	GENSCAN
Start	2781	End	5725

GI	none	Score	.72
Exons	2781..2846, 2940..3164, 3265..3347, 3434..3474, 4677..4831, 5327..5347, 5576..5725		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	2949	End	3482
GI	none	Score	203
Exons	2949..3164, 3029..3163, 3103..3186, 3240..3338, 3242..3337, 3249..3347, 3253..3354, 3429..3482, 3431..3478		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	3012	End	5905
GI	none	Score	207
Exons	3012..3188, 3029..3160, 3264..3353, 3265..3354, 3429..3473, 3432..3470, 4684..4827, 4685..4861, 4687..4800, 4706..4840, 5534..5725, 5567..5722, 5575..5724, 5851..5904, 5852..5905		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	3015	End	5908
GI	none	Score	217
Exons	3015..3188, 3029..3160, 3264..3353, 3265..3354, 4683..4838, 4684..4827, 4706..4840, 5534..5725, 5573..5719, 5575..5730, 5575..5724, 5843..5908, 5845..5907		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o1.gp	Method	AAT/GAP
Start	3050	End	5625
GI	LIB3434-003-P1-K1-C5	Score	743
Exons	3050..3164, 3265..3347, 3434..3474, 4677..4823, 5568..5625		
GI Descrip.	'4376158/emb|CAA67376| 6.0e-52 (X98873) aspartate kinase [Arabidopsis thaliana]'		

Seq. No.	50166	Seq. ID	OJ000328_03.0419.C11
Gene No.	106579	Strand	+
Start	2753	End	5908
Name	OJ000328_03.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	4645	End	5908
GI	none	Score	183
Exons	4645..4827, 4674..4823, 4676..4843, 4706..4840, 4713..4847, 5520..5597, 5534..5731, 5573..5719, 5575..5733, 5843..5908, 5845..5907		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106580	Strand	+
Start	1	End	3329
Name	OJ000328_03.0419.C12.o1.np	Method	AAT/NAP

Start	1	End	1699
GI	7529283	Score	813
Exons	1..163, 278..397, 479..571, 660..776, 1124..1240, 1398..1460, 1547..1699		
GI Descrip.	(AL163491) aspartate kinase [Arabidopsis thaliana]		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106580	Strand	+
Start	1	End	3329
Name	OJ000328_03.0419.C12.o1.gs	Method	GENSCAN
Start	47	End	3329
GI	none	Score	.59
Exons	47..163, 479..571, 660..776, 1398..1460, 1547..1675, 2583..3329		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106580	Strand	+
Start	1	End	3329
Name	OJ000328_03.0419.C12.o1.gp	Method	AAT/GAP
Start	294	End	2005
GI	3235_1.R1084	Score	1699
Exons	294..397, 479..571, 660..776, 1124..1240, 1398..1460, 1547..2005		
GI Descrip.	'4376158/emb|CAA67376| 2.0e-83 (X98873) aspartate kinase [Arabidopsis thaliana]'		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106581	Strand	-
Start	3706	End	5093
Name	OJ000328_03.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	31	End	1678
GI	none	Score	190
Exons	31..165, 44..169, 47..172, 275..397, 277..396, 277..423, 278..397, 476..577, 478..576, 650..778, 651..776, 1112..1240, 1113..1241, 1114..1242, 1389..1472, 1406..1471, 1544..1678		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106581	Strand	-
Start	3706	End	5093
Name	OJ000328_03.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	44	End	775
GI	none	Score	205
Exons	44..169, 46..180, 46..165, 50..172, 275..400, 277..423, 278..397, 476..577, 487..576, 491..577, 492..581, 651..773, 658..774, 659..775, 659..775		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106581	Strand	-
Start	3706	End	5093
Name	OJ000328_03.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	44	End	1624
GI	none	Score	194
Exons	44..169, 46..165, 47..172, 274..423, 278..397, 476..577, 484..576, 486..587, 600..776, 650..778, 653..778, 1112..1240, 1120..1245, 1120..1239, 1389..1472, 1394..1471, 1544..1624, 1546..1611		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106581	Strand	-

Start	3706	End	5093
Name	OJ000328_03.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	726	End	1764
GI	none	Score	78
Exons	726..776, 728..778, 1099..1239, 1112..1240, 1114..1242, 1121..1240, 1389..1472, 1394..1471, 1544..1678, 1545..1661, 1675..1764, 1684..1722		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106581	Strand	-
Start	3706	End	5093
Name	OJ000328_03.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	1053	End	1723
GI	none	Score	61
Exons	1053..1214, 1068..1256, 1112..1240, 1114..1242, 1389..1472, 1394..1471, 1544..1714, 1544..1723, 1545..1715, 1546..1719		

Seq. No.	50167	Seq. ID	OJ000328_03.0419.C12
Gene No.	106581	Strand	-
Start	3706	End	5093
Name	OJ000328_03.0419.C12.o2.gs	Method	GENSCAN
Start	3706	End	5093
GI	none	Score	.89
Exons	3706..3933, 4317..4586, 5033..5093		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106582	Strand	+
Start	20	End	784
Name	OJ000328_03.0419.C13.o1.gs	Method	GENSCAN
Start	20	End	784
GI	none	Score	.92
Exons	20..232, 446..784		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106583	Strand	+
Start	8809	End	9358
Name	OJ000328_03.0419.C13.o2.gp	Method	AAT/GAP
Start	8809	End	9358
GI	12985_1.R1084	Score	919
Exons	8809..9279, 9337..9358		
GI Descrip.	'2286121 2.0e-31 (U88068) sec14 like protein [Oryza sativa]'		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106584	Strand	+
Start	10492	End	10952
Name	OJ000328_03.0419.C13.o3.gp	Method	AAT/GAP
Start	10492	End	10952
GI	4968980	Score	812
Exons	10492..10952		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106585	Strand	+
Start	21258	End	21635
Name	OJ000328_03.0419.C13.o4.np	Method	AAT/NAP
Start	21255	End	21632
GI	3860333	Score	360
Exons	21255..21632		

GI Descrip. (AJ012693) basic blue copper protein [Cicer arietinum]

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106585	Strand	+
Start	21258	End	21635
Name	OJ000328_03.0419.C13.o7.gs	Method	GENSCAN
Start	21258	End	21635
GI	none	Score	.99
Exons	21258..21635		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106586	Strand	+
Start	21631	End	21943
Name	OJ000328_03.0419.C13.o6.gp	Method	AAT/GAP
Start	21631	End	21943
GI	4714183	Score	563
Exons	21631..21943		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106587	Strand	+
Start	22884	End	26197
Name	OJ000328_03.0419.C13.o8.gp	Method	AAT/GAP
Start	22542	End	24632
GI	34262_1.R1084	Score	1418
Exons	22542..22628, 22860..22927, 23028..23176, 23274..23330, 23711..23749, 24242..24632		
GI Descrip.	'5912424/emb|CAB56149.1| 2.0e-51 (AJ242970) BTF3b-like factor [Arabidopsis thaliana]'		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106587	Strand	+
Start	22884	End	26197
Name	OJ000328_03.0419.C13.o5.np	Method	AAT/NAP
Start	22860	End	24417
GI	6598870	Score	467
Exons	22860..22927, 23028..23176, 23274..23330, 23711..23749, 24242..24417		
GI Descrip.	(AC010556) putative transcription factor BTF3 (RNA polymerase B transcription factor 3) [Arabidopsis thaliana]		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106587	Strand	+
Start	22884	End	26197
Name	OJ000328_03.0419.C13.o8.gs	Method	GENSCAN
Start	22884	End	26197
GI	none	Score	.65
Exons	22884..22927, 23028..23176, 24242..24381, 25348..25462, 25499..25617, 25631..26197		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106588	Strand	-
Start	3324	End	4397
Name	OJ000328_03.0419.C13.o2.gs	Method	GENSCAN
Start	3324	End	4397
GI	none	Score	.51
Exons	3324..3396, 4132..4397		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o1.gp	Method	AAT/GAP
Start	6462	End	7017
GI	4715658	Score	819
Exons	6462..6871, 6991..7017		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o1.np	Method	AAT/NAP
Start	6803	End	10902
GI	7470178	Score	239
Exons	6803..6871, 6991..7089, 7244..7314, 8677..9091, 10828..10902		
GI Descrip.	hypothetical protein sll1925 - Synechocystis sp. (strain PCC 6803) gi|1652327|dbj|BAA17250.1| (D90904) hypothetical protein [Synechocystis sp.]		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o4.gs	Method	GENSCAN
Start	10703	End	14890
GI	none	Score	.83
Exons	10703..11371, 13812..14018, 14026..14178, 14774..14890		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o2.np	Method	AAT/NAP
Start	10733	End	11371
GI	7488696	Score	547
Exons	10733..11371		
GI Descrip.	polyphosphoinositide binding protein Ssh2 - soybean gi|2739046|gb|AAB94599.1| (AF024652) polyphosphoinositide binding protein Ssh2p [Glycine max]		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o4.gp	Method	AAT/GAP
Start	10915	End	14947
GI	2798777	Score	1017
Exons	10915..11371, 14774..14947		
GI Descrip.	2286121 2.0e-31 (U88068) sec14 like protein [Oryza sativa]		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o3.np	Method	AAT/NAP
Start	13544	End	16117
GI	5734621	Score	832
Exons	13544..13725, 13763..14018, 14107..14246, 16086..16117		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106589	Strand	-
Start	6462	End	16737
Name	OJ000328_03.0419.C13.o5.gs	Method	GENSCAN
Start	15276	End	16737
GI	none	Score	.69
Exons	15276..15400, 15565..15628, 16609..16737		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106590	Strand	-
Start	17981	End	19955
Name	OJ000328_03.0419.C13.o6.gs	Method	GENSCAN
Start	17981	End	19955
GI	none	Score	.99
Exons	17981..18159, 19490..19955		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106590	Strand	-
Start	17981	End	19955
Name	OJ000328_03.0419.C13.o5.gp	Method	AAT/GAP
Start	18110	End	19946
GI	47538_1.R1084	Score	925
Exons	18110..18159, 19490..19946		
GI Descrip.	'2244765/emb|CAB10188.1| 2.0e-19 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o6.tm	Method	TBLASTX:Maize
Start	6774	End	8869
GI	none	Score	121
Exons	6774..6872, 6784..6873, 6785..6874, 6989..7090, 6990..7091, 6991..7089, 7244..7315, 7245..7316, 7251..7316, 7252..7317, 8675..8869, 8676..8867		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o5.ts	Method	TBLASTX:Soybean
Start	6783	End	9095
GI	none	Score	96
Exons	6783..6872, 6794..6874, 6800..6874, 6982..7080, 6982..7089, 6989..7087, 7221..7265, 7244..7315, 7245..7316, 8675..8875, 8676..8882, 8963..9094, 8964..9095		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o7.tm	Method	TBLASTX:Maize
Start	8888	End	9292
GI	none	Score	66
Exons	8888..8944, 8890..8928, 8939..9094, 8943..9095, 9206..9292		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-

Start	26607	End	30593
Name	OJ000328_03.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	10748	End	11371
GI	none	Score	103
Exons	10748..11008, 10797..10997, 11009..11056, 11010..11057, 11069..11251, 11154..11201, 11255..11371		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o2.tm	Method	TBLASTX:Maize
Start	10748	End	11248
GI	none	Score	178
Exons	10748..11008, 10797..11000, 11009..11056, 11013..11057, 11111..11248, 11145..11198		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o3.tc	Method	TBLASTX:Cress
Start	11069	End	11377
GI	none	Score	117
Exons	11069..11248, 11255..11377		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o5.tm	Method	TBLASTX:Maize
Start	19486	End	19883
GI	none	Score	136
Exons	19486..19671, 19488..19673, 19665..19835, 19738..19836, 19842..19883		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o6.ts	Method	TBLASTX:Soybean
Start	19509	End	19877
GI	none	Score	70
Exons	19509..19616, 19510..19623, 19623..19685, 19686..19727, 19746..19877, 19759..19854		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o5.tc	Method	TBLASTX:Cress
Start	19621	End	19877
GI	none	Score	37
Exons	19621..19668, 19623..19712, 19681..19752, 19686..19727, 19746..19877, 19759..19854		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o4.tm	Method	TBLASTX:Maize
Start	21225	End	21617
GI	none	Score	223

Exons	21225..21368, 21243..21503, 21305..21502, 21501..21617, 21503..21616		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o4.tc	Method	TBLASTX:Cress
Start	21273	End	21617
GI	none	Score	130
Exons	21273..21497, 21341..21472, 21506..21616, 21507..21617		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o7.ts	Method	TBLASTX:Soybean
Start	21308	End	21617
GI	none	Score	160
Exons	21308..21499, 21327..21497, 21506..21613, 21507..21617		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	22832	End	23353
GI	none	Score	93
Exons	22832..22936, 22857..22928, 23026..23175, 23026..23100, 23027..23158, 23109..23171, 23259..23324, 23272..23325, 23273..23353		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o2.tc	Method	TBLASTX:Cress
Start	22853	End	24360
GI	none	Score	104
Exons	22853..22936, 22854..22928, 23026..23175, 23029..23094, 23109..23174, 23272..23328, 23273..23335, 24237..24278, 24238..24345, 24325..24360, 24325..24360		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o3.tm	Method	TBLASTX:Maize
Start	22857	End	24540
GI	none	Score	113
Exons	22857..22928, 22857..22928, 22859..22936, 23026..23175, 23026..23097, 23027..23182, 23271..23324, 23272..23325, 23273..23335, 23710..23751, 24237..24410, 24238..24411, 24244..24411, 24418..24489, 24420..24464, 24421..24465, 24469..24528, 24494..24532, 24496..24540, 24497..24532		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o3.ts	Method	TBLASTX:Soybean
Start	22857	End	24411
GI	none	Score	107

Exons	22857..22928, 22857..22925, 22859..22936, 23026..23175, 23029..23097, 23030..23194, 23272..23325, 23273..23335, 24214..24345, 24280..24405, 24325..24411		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o9.gs	Method	GENSCAN
Start	26607	End	30557
GI	none	Score	.86
Exons	26607..26704, 27297..27537, 27724..27786, 27862..27927, 28328..28411, 28903..29108, 29195..29285, 29394..29498, 29770..29844, 29946..30038, 30132..30207, 30333..30557		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o9.gp	Method	AAT/GAP
Start	26840	End	27551
GI	503_1.R1084	Score	1131
Exons	26840..27207, 27297..27551		
GI Descrip.	'2129754/pir||S62701 3.0e-46 translation elongation factor Tu precursor - Arabidopsis thaliana >gi_1149571_emb_CAA61511_ (X89227) mitochondrial elongation factor Tu [Arabidopsis thaliana]'		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	27084	End	30593
GI	none	Score	88
Exons	27084..27203, 27085..27201, 27089..27205, 27089..27208, 27295..27429, 27296..27427, 27308..27448, 27427..27540, 27429..27539, 27429..27581, 27430..27561, 27721..27789, 27721..27789, 27826..27930, 27860..27931, 27862..27933, 27863..27931, 28270..28413, 28334..28423, 28335..28412, 28901..29107, 28903..29109, 28903..29109, 28907..29110, 29177..29287, 29181..29285, 29197..29301, 29198..29287, 29389..29499, 29391..29501, 29391..29507, 29762..29827, 29770..29853, 29770..29844, 29946..30041, 29947..30039, 30081..30206, 30093..30206, 30094..30213, 30130..30213, 30324..30371, 30332..30370, 30332..30373, 30333..30374, 30446..30508, 30447..30509, 30567..30593		
Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o6.np	Method	AAT/NAP
Start	27140	End	30520
GI	7443411	Score	1488
Exons	27140..27207, 27297..27537, 27724..27786, 27862..27935, 28333..28411, 28903..29108, 29195..29285, 29394..29498, 29770..29844, 29946..30038, 30132..30207, 30333..30520		
GI Descrip.	translation elongation factor EF-Tu precursor, mitochondrial - Arabidopsis thaliana gi|3924612|gb|AAC79113.1| (AF069442) mitochondrial elongation factor Tu [Arabidopsis thaliana]		

gi|4263511|gb|AAD15337.1| (AC004044) mitochondrial elongation factor Tu [Arabidopsis thaliana] gi|7269778|emb|CAB77778.1| (AL161495) mitochondrial elongation factor Tu [Arabidopsis thaliana]

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	27146	End	30359
GI	none	Score	46
Exons	27146..27205, 27161..27211, 27162..27209, 27295..27537, 27296..27529, 27325..27537, 27688..27789, 27862..27915, 28334..28423, 28335..28412, 28903..29109, 28907..29110, 29159..29287, 29181..29285, 29195..29293, 29197..29301, 29365..29499, 29391..29507, 29392..29460, 29770..29844, 29772..29852, 29773..29859, 29775..29858, 29944..29973, 29946..30041, 29947..30039, 30093..30206, 30094..30213, 30130..30213, 30144..30221, 30335..30358, 30336..30359		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o2.ts	Method	TBLASTX:Soybean
Start	27161	End	27922
GI	none	Score	72
Exons	27161..27211, 27162..27209, 27295..27540, 27296..27529, 27304..27540, 27718..27789, 27862..27921, 27866..27922		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o2.tw	Method	TBLASTX:Wheat
Start	27388	End	28426
GI	none	Score	163
Exons	27388..27540, 27389..27529, 27399..27536, 27414..27581, 27721..27786, 27826..27930, 27862..27933, 27863..27943, 28285..28425, 28331..28426, 28332..28412		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o10.gp	Method	AAT/GAP
Start	28059	End	29225
GI	28202_1.R1084	Score	1037
Exons	28059..28411, 28903..29108, 29195..29225		
GI Descrip.	'3924612 2.0e-45 (AF069442) mitochondrial elongation factor Tu [Arabidopsis thaliana] >gi_4263511_gb_AAD15337_ (AC004044) mitochondrial elongation factor Tu [Arabidopsis thaliana]'		

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o4.ts	Method	TBLASTX:Soybean
Start	28317	End	30213
GI	none	Score	94
Exons	28317..28427, 28334..28423, 28906..29004, 28907..28996,		

29035..29109, 29039..29110, 29187..29285, 29391..29507,
29392..29460, 29770..29799, 29791..29844, 30144..30209,
30145..30213

Seq. No.	50168	Seq. ID	OJ000328_03.0419.C13
Gene No.	106591	Strand	-
Start	26607	End	30593
Name	OJ000328_03.0419.C13.o11.gp	Method	AAT/GAP
Start	29951	End	30583
GI	63630_1.R1084	Score	767
Exons	29951..30038, 30132..30207, 30333..30583		
GI Descrip.	'3924612 4.0e-26 (AF069442) mitochondrial elongation factor Tu [Arabidopsis thaliana] >gi_4263511_gb_AAD15337_ (AC004044) mitochondrial elongation factor Tu [Arabidopsis thaliana]'		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106592	Strand	+
Start	1	End	1875
Name	OJ000328_03.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	1444
GI	3025188	Score	157
Exons	1..121, 1392..1444		
GI Descrip.	HYPOTHETICAL 11.9 KD PROTEIN SLR1846 gi|7448385|pir||S75164 hypothetical protein slr1846 - Synechocystis sp. (strain PCC 6803) gi|1652154|dbj|BAA17078.1| (D90903) hypothetical protein [Synechocystis sp.]		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106592	Strand	+
Start	1	End	1875
Name	OJ000328_03.0419.C14.o1.gp	Method	AAT/GAP
Start	80	End	1875
GI	none	Score	1020
Exons	80..121, 1392..1875		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106593	Strand	+
Start	2151	End	2554
Name	OJ000328_03.0419.C14.o1.gs	Method	GENSCAN
Start	2151	End	2554
GI	none	Score	.69
Exons	2151..2554		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	1	End	1462
GI	none	Score	195
Exons	1..171, 3..119, 1390..1443, 1391..1462, 1397..1453		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o2.gp	Method	AAT/GAP
Start	3345	End	4371
GI	3328_2.R1084	Score	1392

Exons	3345..3829, 3924..4001, 4090..4243, 4331..4371		
GI Descrip.	'4506221/ref|NP_002807.1|pPSMD12| 7.0e-23 proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 >gi_1945611_dbj_BAA19749_ (AB003103) 26S proteasome subunit p55 [Homo sapiens]'		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	3361	End	3760
GI	none	Score	45
Exons	3361..3390, 3450..3467, 3459..3509, 3474..3509, 3475..3510, 3608..3760, 3615..3755, 3617..3757		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	3594	End	6022
GI	none	Score	178
Exons	3594..3710, 3599..3835, 3612..3830, 3907..3999, 3924..4001, 4081..4146, 4091..4156, 4156..4245, 4157..4246, 4321..4443, 4334..4441, 4536..4682, 4540..4635, 4544..4639, 5222..5371, 5241..5444, 5241..5444, 5519..5578, 5520..5579, 5526..5579, 5673..5786, 5680..5727, 5684..5803, 5736..5801, 5834..6022, 5877..5987		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	3605	End	6022
GI	none	Score	248
Exons	3605..3835, 3615..3830, 3898..4032, 3922..3999, 3924..4028, 4060..4245, 4081..4245, 4089..4274, 4091..4246, 4321..4443, 4329..4448, 4334..4441, 4536..4682, 4539..4613, 4541..4636, 5224..5442, 5241..5444, 5241..5444, 5519..5578, 5520..5579, 5673..5786, 5680..5727, 5736..5783, 5867..6022, 5880..5987		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o2.np	Method	AAT/NAP
Start	3608	End	6133
GI	6434942	Score	357
Exons	3608..3823, 3918..4001, 4090..4139, 4225..4694, 5327..5441, 5522..5578, 5682..5786, 5876..6133		
GI Descrip.	(AF145315) hypothetical 55kDa protein [Drosophila melanogaster]		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o2.gs	Method	GENSCAN
Start	3611	End	5983
GI	none	Score	.88
Exons	3611..3829, 3924..4001, 4090..4243, 4331..4443, 4503..4638, 5245..5441, 5682..5786, 5876..5983		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	3617	End	4457
GI	none	Score	156
Exons	3617..3835, 3627..3836, 3642..3836, 3923..3979, 3924..4028, 3924..4028, 3931..4032, 4078..4230, 4081..4245, 4091..4246, 4321..4443, 4332..4448, 4334..4444, 4359..4457		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o3.gp	Method	AAT/GAP
Start	5274	End	5986
GI	18963_1.R1084	Score	769
Exons	5274..5441, 5522..5578, 5682..5786, 5876..5986		
GI Descrip.	'4506221/ref|NP_002807.1|pPSMD12| 2.0e-47 proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 >gi_1945611_dbj_BAA19749_ (AB003103) 26S proteasome subunit p55 [Homo sapiens]'		

Seq. No.	50169	Seq. ID	OJ000328_03.0419.C14
Gene No.	106594	Strand	-
Start	3611	End	6133
Name	OJ000328_03.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	5712	End	6056
GI	none	Score	88
Exons	5712..5786, 5713..5787, 5736..5786, 5867..6022, 5873..5986, 5877..6056		

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106595	Strand	+
Start	3336	End	6084
Name	OJ000328_03.0419.C15.o2.gs	Method	GENSCAN
Start	3336	End	6084
GI	none	Score	.92
Exons	3336..4212, 4320..4492, 5818..6084		

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.gp	Method	AAT/GAP
Start	1	End	682
GI	18963_1.R1084	Score	663
Exons	1..22, 140..348, 522..682		
GI Descrip.	'4506221/ref|NP_002807.1|pPSMD12| 2.0e-47 proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 >gi_1945611_dbj_BAA19749_ (AB003103) 26S proteasome subunit p55 [Homo sapiens]'		

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	453
GI	4506221	Score	93
Exons	1..29, 151..453		

GI Descrip. proteasome (prosome, macropain) 26S subunit, non-ATPase, 12
gi|7451897|pir||JC6523 26s proteasom p55 protein - human
gi|1945611|dbj|BAA19749.1| (AB003103) 26S proteasome subunit p55
[Homo sapiens]

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	146	End	387
GI	none	Score	282
Exons	146..358, 149..229, 151..384,	151..387	

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	146	End	387
GI	none	Score	222
Exons	146..340, 151..387, 151..339,	290..346	

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.gs	Method	GENSCAN
Start	151	End	524
GI	none	Score	.72
Exons	151..348, 522..524		

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	151	End	342
GI	none	Score	193
Exons	151..342, 152..331		

Seq. No.	50170	Seq. ID	OJ000328_03.0419.C15
Gene No.	106596	Strand	-
Start	1	End	682
Name	OJ000328_03.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	151	End	376
GI	none	Score	151
Exons	151..360, 152..376		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106597	Strand	+
Start	195	End	704
Name	OJ000328_03.0419.C16.o1.gs	Method	GENSCAN
Start	195	End	704
GI	none	Score	.89
Exons	195..704		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o3.tm	Method	TBLASTX:Maize

Start	357	End	500
GI	none	Score	185
Exons	357..500, 380..499		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o2.gs	Method	GENSCAN
Start	1501	End	3678
GI	none	Score	.42
Exons	1501..1537, 1682..1715, 2532..3678		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	1759	End	2433
GI	none	Score	54
Exons	1759..1845, 1759..2019, 1922..2329, 1930..2433, 2064..2429, 2089..2433		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o1.np	Method	AAT/NAP
Start	1774	End	4007
GI	4388829	Score	1274
Exons	1774..3374, 3672..4007		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	1828	End	2451
GI	none	Score	63
Exons	1828..2013, 1937..2014, 2095..2451, 2096..2197, 2240..2353		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o2.tw	Method	TBLASTX:Wheat
Start	2197	End	2583
GI	none	Score	42
Exons	2197..2442, 2206..2241, 2312..2443, 2464..2583		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o3.ts	Method	TBLASTX:Soybean
Start	2461	End	2640
GI	none	Score	120
Exons	2461..2640, 2495..2638		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-

Start	1501	End	4007
Name	OJ000328_03.0419.C16.o2.tc	Method	TBLASTX:Cress
Start	2497	End	2775
GI	none	Score	73
Exons	2497..2775, 2501..2728		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	2593	End	3139
GI	none	Score	72
Exons	2593..2802, 2794..3138, 3026..3139		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	2707	End	3139
GI	none	Score	86
Exons	2707..3138, 2765..2980, 3047..3139		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o2.ts	Method	TBLASTX:Soybean
Start	2819	End	3303
GI	5509260	Score	102
Exons	2819..2980, 2824..3303, 3026..3169, 3046..3267		
GI Descrip.	-		

Seq. No.	50171	Seq. ID	OJ000328_03.0419.C16
Gene No.	106598	Strand	-
Start	1501	End	4007
Name	OJ000328_03.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	2920	End	3189
GI	none	Score	156
Exons	2920..3189, 2921..3175		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106599	Strand	+
Start	205	End	249
Name	OJ000328_03.0419.C18.o1.gs	Method	GENSCAN
Start	205	End	249
GI	none	Score	.67
Exons	205..249		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o1.np	Method	AAT/NAP
Start	2052	End	6699
GI	4406788	Score	707
Exons	2052..2121, 2549..3027, 3647..4023, 6672..6699		
GI Descrip.	(AC006532) unknown protein [Arabidopsis thaliana]		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18

Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o2.gs	Method	GENSCAN
Start	2542	End	4081
GI	none	Score	.68
Exons	2542..3027, 3121..3483, 3647..4081		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	2563	End	2781
GI	none	Score	89
Exons	2563..2781, 2594..2758		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o2.tm	Method	TBLASTX:Maize
Start	2587	End	2991
GI	none	Score	90
Exons	2587..2778, 2588..2776, 2788..2991, 2789..2956		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	2801	End	3787
GI	none	Score	76
Exons	2801..2929, 2803..3027, 2974..3027, 3647..3787		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	3767	End	6473
GI	none	Score	215
Exons	3767..4021, 3768..4022, 3964..4023, 6323..6439, 6327..6473		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o3.gs	Method	GENSCAN
Start	5347	End	6400
GI	none	Score	.76
Exons	5347..5541, 6197..6400		

Seq. No.	50172	Seq. ID	OJ000328_03.0419.C18
Gene No.	106600	Strand	-
Start	2542	End	6699
Name	OJ000328_03.0419.C18.o1.gp	Method	AAT/GAP
Start	6272	End	6652
GI	none	Score	714
Exons	6272..6652		

Seq. No.	50173	Seq. ID	OJ000328_03.0419.C19
Gene No.	106601	Strand	-

Start	35	End	635
Name	OJ000328_03.0419.C19.o1.gs	Method	GENSCAN
Start	35	End	635
GI	none	Score	.43
Exons	35..322, 324..498, 558..635		

Seq. No.	50174	Seq. ID	OJ000328_08.0419.C3
Gene No.	106602	Strand	+
Start	202	End	909
Name	OJ000328_08.0419.C3.o1.gs	Method	GENSCAN
Start	202	End	909
GI	none	Score	.68
Exons	202..909		

Seq. No.	50174	Seq. ID	OJ000328_08.0419.C3
Gene No.	106602	Strand	+
Start	202	End	909
Name	OJ000328_08.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	211	End	750
GI	none	Score	268
Exons	211..747, 212..748, 213..443, 213..749, 214..750		

Seq. No.	50175	Seq. ID	OJ000328_08.0419.C4
Gene No.	106603	Strand	+
Start	122	End	1057
Name	OJ000328_08.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	98	End	374
GI	none	Score	357
Exons	98..373, 100..372, 102..374		

Seq. No.	50175	Seq. ID	OJ000328_08.0419.C4
Gene No.	106603	Strand	+
Start	122	End	1057
Name	OJ000328_08.0419.C4.o1.gs	Method	GENSCAN
Start	122	End	1046
GI	none	Score	.44
Exons	122..902, 957..1046		

Seq. No.	50175	Seq. ID	OJ000328_08.0419.C4
Gene No.	106603	Strand	+
Start	122	End	1057
Name	OJ000328_08.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	619	End	751
GI	none	Score	203
Exons	619..750, 620..751, 623..751		

Seq. No.	50175	Seq. ID	OJ000328_08.0419.C4
Gene No.	106603	Strand	+
Start	122	End	1057
Name	OJ000328_08.0419.C4.o3.tm	Method	TBLASTX:Maize
Start	928	End	1057
GI	none	Score	201
Exons	928..1047, 929..1057, 929..1048, 930..1049		

Seq. No.	50176	Seq. ID	OJ000328_08.0419.C5
Gene No.	106604	Strand	-
Start	1093	End	2527

Name	OJ000328_08.0419.C5.o1.gs	Method	GENSCAN
Start	1093	End	2527
GI	none	Score	.74
Exons	1093..1177, 1450..1454, 1487..1645, 1737..1857, 1902..2527		

Seq. No.	50177	Seq. ID	OJ000328_08.0419.C7
Gene No.	106605	Strand	-
Start	26	End	3024
Name	OJ000328_08.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	218
GI	none	Score	68
Exons	2..61, 3..62, 68..211, 72..212, 72..218, 73..213		

Seq. No.	50177	Seq. ID	OJ000328_08.0419.C7
Gene No.	106605	Strand	-
Start	26	End	3024
Name	OJ000328_08.0419.C7.o1.gs	Method	GENSCAN
Start	26	End	3024
GI	none	Score	.64
Exons	26..346, 618..743, 813..908, 1637..1741, 2481..2578, 2961..3024		

Seq. No.	50177	Seq. ID	OJ000328_08.0419.C7
Gene No.	106605	Strand	-
Start	26	End	3024
Name	OJ000328_08.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	1664	End	2600
GI	none	Score	72
Exons	1664..1744, 2226..2264, 2265..2321, 2267..2362, 2481..2600		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106606	Strand	+
Start	33	End	1706
Name	OJ000328_08.0419.C8.o1.np	Method	AAT/NAP
Start	33	End	1452
GI	5734774	Score	368
Exons	33..379, 1249..1452		
GI Descrip.	(AC007980) 37391 [Arabidopsis thaliana]		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106606	Strand	+
Start	33	End	1706
Name	OJ000328_08.0419.C8.o1.gs	Method	GENSCAN
Start	45	End	616
GI	none	Score	.89
Exons	45..160, 169..379, 605..616		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106606	Strand	+
Start	33	End	1706
Name	OJ000328_08.0419.C8.o1.gp	Method	AAT/GAP
Start	1322	End	1706
GI	2800051	Score	637
Exons	1322..1706		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306

Name	OJ000328_08.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	229	End	1455
GI	none	Score	141
Exons	229..375, 230..379, 1246..1329, 1247..1420, 1248..1430, 1249..1455		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	248	End	1455
GI	none	Score	133
Exons	248..367, 250..366, 1246..1413, 1249..1383, 1350..1433, 1351..1455, 1393..1434		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o2.np	Method	AAT/NAP
Start	765	End	3306
GI	6358764	Score	512
Exons	765..829, 2279..3306		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	1306	End	1450
GI	none	Score	178
Exons	1306..1443, 1310..1450, 1312..1434, 1320..1439		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o2.gs	Method	GENSCAN
Start	2365	End	3174
GI	none	Score	.73
Exons	2365..3174		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	2366	End	3012
GI	none	Score	164
Exons	2366..2686, 2371..2721, 2392..2715, 2869..3012		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	2386	End	3015
GI	none	Score	56
Exons	2386..2496, 2392..2490, 2402..2530, 2498..2701, 2500..2730, 2698..3015		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	2461	End	2931
GI	none	Score	117
Exons	2461..2931, 2507..2917, 2521..2634		

Seq. No.	50178	Seq. ID	OJ000328_08.0419.C8
Gene No.	106607	Strand	-
Start	765	End	3306
Name	OJ000328_08.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	2515	End	3188
GI	none	Score	65
Exons	2515..2685, 2521..2826, 2737..2778, 2737..2778, 2779..3132, 2785..3123, 2936..3133, 3135..3188		

Seq. No.	50179	Seq. ID	OJ000328_08.0419.C9
Gene No.	106608	Strand	-
Start	34	End	293
Name	OJ000328_08.0419.C9.o1.gs	Method	GENSCAN
Start	34	End	293
GI	none	Score	1
Exons	34..293		

Seq. No.	50180	Seq. ID	OJ000328_08.0419.C12
Gene No.	106609	Strand	-
Start	4777	End	5737
Name	OJ000328_08.0419.C12.o2.gs	Method	GENSCAN
Start	4777	End	5691
GI	none	Score	.99
Exons	4777..5691		

Seq. No.	50180	Seq. ID	OJ000328_08.0419.C12
Gene No.	106609	Strand	-
Start	4777	End	5737
Name	OJ000328_08.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	4781	End	5736
GI	none	Score	130
Exons	4781..4915, 4798..4944, 4798..5514, 4808..5425, 5515..5736, 5516..5692		

Seq. No.	50180	Seq. ID	OJ000328_08.0419.C12
Gene No.	106609	Strand	-
Start	4777	End	5737
Name	OJ000328_08.0419.C12.o1.np	Method	AAT/NAP
Start	4789	End	5737
GI	6686396	Score	1254
Exons	4789..5737		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	50180	Seq. ID	OJ000328_08.0419.C12
Gene No.	106609	Strand	-
Start	4777	End	5737
Name	OJ000328_08.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	4790	End	5211
GI	none	Score	329

Exons	4790..5206, 4798..5211		
Seq. No.	50180	Seq. ID	OJ000328_08.0419.C12
Gene No.	106609	Strand	-
Start	4777	End	5737
Name	OJ000328_08.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	4798	End	5736
GI	none	Score	253
Exons	4798..5082, 4808..5083, 5093..5236, 5095..5238, 5239..5736, 5240..5425, 5486..5692		
Seq. No.	50180	Seq. ID	OJ000328_08.0419.C12
Gene No.	106609	Strand	-
Start	4777	End	5737
Name	OJ000328_08.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	4837	End	5622
GI	none	Score	166
Exons	4837..5136, 4889..5137, 5129..5257, 5131..5256, 5260..5463, 5264..5425, 5449..5622, 5486..5611		
Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106610	Strand	-
Start	1	End	2423
Name	OJ000328_08.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	2377
GI	5733874	Score	1013
Exons	1..203, 450..584, 691..788, 909..1072, 1904..2377		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		
Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106610	Strand	-
Start	1	End	2423
Name	OJ000328_08.0419.C13.o1.gs	Method	GENSCAN
Start	14	End	2423
GI	none	Score	.67
Exons	14..203, 450..584, 691..788, 909..1072, 1904..2423		
Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o3.ts	Method	TBLASTX:Soybean
Start	11	End	2181
GI	none	Score	80
Exons	11..100, 936..998, 937..1086, 1017..1076, 1902..1976, 1903..1974, 1989..2177, 1990..2181		
Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o4.tm	Method	TBLASTX:Maize
Start	11	End	1016
GI	none	Score	169
Exons	11..205, 12..206, 432..581, 434..586, 690..806, 694..786, 882..1016, 883..999		
Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-

Start	3213	End	4989
Name	OJ000328_08.0419.C13.o2.ts	Method	TBLASTX:Soybean
Start	105	End	935
GI	none	Score	101
Exons	105..206, 107..205, 383..580, 434..586, 435..581, 690..797, 694..798, 903..935		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o3.tc	Method	TBLASTX:Cress
Start	690	End	2070
GI	none	Score	60
Exons	690..797, 690..797, 694..798, 903..995, 910..993, 1014..1076, 1015..1110, 1902..1976, 1903..1974, 1986..2069, 1990..2070		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o5.tm	Method	TBLASTX:Maize
Start	1020	End	2184
GI	none	Score	85
Exons	1020..1076, 1902..1976, 1903..1974, 1989..2183, 1990..2184		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o2.gs	Method	GENSCAN
Start	3213	End	4975
GI	none	Score	.95
Exons	3213..4688, 4775..4975		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o4.ts	Method	TBLASTX:Soybean
Start	3246	End	3491
GI	none	Score	73
Exons	3246..3371, 3246..3380, 3256..3372, 3417..3491, 3424..3456		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o3.tm	Method	TBLASTX:Maize
Start	3252	End	3789
GI	none	Score	59
Exons	3252..3320, 3253..3330, 3330..3374, 3420..3686, 3421..3648, 3636..3788, 3652..3789		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o2.np	Method	AAT/NAP
Start	3255	End	4975
GI	7450208	Score	1662
Exons	3255..4688, 4775..4975		
GI Descrip.	probable amp-binding protein - rape gi|1903034|emb|CAA64328.1|		

(X94625) amp-binding protein [Brassica napus]

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	3258	End	4341
GI	none	Score	70
Exons	3258..3326, 3262..3336, 3420..3479, 3451..3639, 3480..3638, 3645..4328, 3652..4341		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	3492	End	4951
GI	none	Score	133
Exons	3492..3638, 3493..3639, 3645..4430, 3652..4371, 4536..4697, 4540..4689, 4808..4951		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o2.tw	Method	TBLASTX:Wheat
Start	3798	End	4008
GI	none	Score	93
Exons	3798..4007, 3804..3926, 3805..4008		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o2.tm	Method	TBLASTX:Maize
Start	3864	End	4412
GI	none	Score	66
Exons	3864..4007, 3865..4008, 4021..4383, 4023..4412		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	4155	End	4326
GI	none	Score	247
Exons	4155..4325, 4156..4326		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	4524	End	4989
GI	none	Score	223
Exons	4524..4727, 4536..4688, 4766..4801, 4773..4835, 4802..4975, 4803..4976, 4942..4989		

Seq. No.	50181	Seq. ID	OJ000328_08.0419.C13
Gene No.	106611	Strand	-
Start	3213	End	4989
Name	OJ000328_08.0419.C13.o2.tc	Method	TBLASTX:Cress

Start	4533	End	4975
GI	none	Score	62
Exons	4533..4661, 4536..4688, 4546..4689, 4766..4804, 4799..4975, 4803..4946		

Seq. No.	50182	Seq. ID	OJ000328_08.0419.C14
Gene No.	106612	Strand	-
Start	1000	End	1298
Name	OJ000328_08.0419.C14.o1.gs	Method	GENSCAN
Start	1000	End	1298
GI	none	Score	1
Exons	1000..1298		

Seq. No.	50182	Seq. ID	OJ000328_08.0419.C14
Gene No.	106612	Strand	-
Start	1000	End	1298
Name	OJ000328_08.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	1012	End	1296
GI	none	Score	129
Exons	1012..1131, 1138..1296		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106613	Strand	+
Start	3781	End	4525
Name	OJ000328_08.0419.C15.o2.gs	Method	GENSCAN
Start	3781	End	4525
GI	none	Score	.85
Exons	3781..3836, 4224..4263, 4310..4525		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106614	Strand	-
Start	414	End	3267
Name	OJ000328_08.0419.C15.o1.gs	Method	GENSCAN
Start	414	End	3267
GI	none	Score	.65
Exons	414..821, 1505..1705, 1794..2006, 2265..2726, 3190..3267		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106614	Strand	-
Start	414	End	3267
Name	OJ000328_08.0419.C15.o1.np	Method	AAT/NAP
Start	435	End	2474
GI	4972236	Score	808
Exons	435..821, 1505..1705, 1794..2006, 2265..2474		
GI Descrip.	(AJ006349) endo-beta-1,4-glucanase [Fragaria x ananassa]		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106615	Strand	-
Start	5999	End	6214
Name	OJ000328_08.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	435	End	2007
GI	none	Score	67
Exons	435..560, 555..638, 562..639, 690..809, 1502..1684, 1557..1706, 1791..2006, 1822..1863, 1900..2007		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106615	Strand	-

Start	5999	End	6214
Name	OJ000328_08.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	435	End	809
GI	none	Score	78
Exons	435..560, 555..809, 562..657		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106615	Strand	-
Start	5999	End	6214
Name	OJ000328_08.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	588	End	825
GI	none	Score	141
Exons	588..809, 589..825		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106615	Strand	-
Start	5999	End	6214
Name	OJ000328_08.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	1502	End	2009
GI	none	Score	117
Exons	1502..1684, 1503..1706, 1791..2009, 1792..2007		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106615	Strand	-
Start	5999	End	6214
Name	OJ000328_08.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	1553	End	2390
GI	none	Score	125
Exons	1553..1684, 1554..1709, 1604..1717, 1680..1703, 1791..2006, 1819..2007, 2262..2390, 2278..2361		

Seq. No.	50183	Seq. ID	OJ000328_08.0419.C15
Gene No.	106615	Strand	-
Start	5999	End	6214
Name	OJ000328_08.0419.C15.o3.gs	Method	GENSCAN
Start	5999	End	6214
GI	none	Score	.97
Exons	5999..6214		

Seq. No.	50184	Seq. ID	OJ000328_08.0419.C16
Gene No.	106616	Strand	
Start	111	End	295
Name	OJ000328_08.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	111	End	295
GI	none	Score	75
Exons	111..179, 112..183, 112..189, 119..190, 174..242, 177..242, 182..244, 233..295, 237..284		

Seq. No.	50185	Seq. ID	OJ000328_08.0419.C17
Gene No.	106617	Strand	-
Start	259	End	931
Name	OJ000328_08.0419.C17.o1.np	Method	AAT/NAP
Start	259	End	931
GI	6907042	Score	126
Exons	259..478, 853..931		
GI Descrip.	(AF193556) sacsin [Homo sapiens]		

Seq. No.	50185	Seq. ID	OJ000328_08.0419.C17
Gene No.	106617	Strand	-
Start	259	End	931
Name	OJ000328_08.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	269	End	466
GI	none	Score	86
Exons	269..454, 269..466, 288..461		

Seq. No.	50186	Seq. ID	OJ000328_08.0419.C19
Gene No.	106618	Strand	+
Start	274	End	843
Name	OJ000328_08.0419.C19.o1.gs	Method	GENSCAN
Start	274	End	843
GI	none	Score	.62
Exons	274..318, 667..843		

Seq. No.	50186	Seq. ID	OJ000328_08.0419.C19
Gene No.	106619	Strand	+
Start	2238	End	5872
Name	OJ000328_08.0419.C19.o2.gs	Method	GENSCAN
Start	2238	End	5872
GI	none	Score	.83
Exons	2238..2311, 3466..3550, 4525..4647, 4742..4791, 4995..5872		

Seq. No.	50187	Seq. ID	OJ000328_08.0419.C20
Gene No.	106620	Strand	-
Start	823	End	1026
Name	OJ000328_08.0419.C20.o1.np	Method	AAT/NAP
Start	726	End	1026
GI	7339707	Score	128
Exons	726..874, 951..1026		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	50187	Seq. ID	OJ000328_08.0419.C20
Gene No.	106620	Strand	-
Start	823	End	1026
Name	OJ000328_08.0419.C20.o1.gs	Method	GENSCAN
Start	823	End	874
GI	none	Score	.64
Exons	823..874		

Seq. No.	50188	Seq. ID	OJ000328_08.0419.C21
Gene No.	106621	Strand	+
Start	1	End	1040
Name	OJ000328_08.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	294
GI	7339707	Score	127
Exons	1..59, 137..294		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	50188	Seq. ID	OJ000328_08.0419.C21
Gene No.	106621	Strand	+
Start	1	End	1040
Name	OJ000328_08.0419.C21.o1.gs	Method	GENSCAN
Start	137	End	1040
GI	none	Score	.83
Exons	137..240, 427..531, 648..1040		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106622	Strand	+
Start	322	End	2114
Name	OJ000328_08.0419.C23.o1.gp	Method	AAT/GAP
Start	322	End	750
GI	44718_1.R1084	Score	780
Exons	322..750		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106622	Strand	+
Start	322	End	2114
Name	OJ000328_08.0419.C23.o1.gs	Method	GENSCAN
Start	410	End	2074
GI	none	Score	.81
Exons	410..1273, 1708..1802, 2035..2074		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106622	Strand	+
Start	322	End	2114
Name	OJ000328_08.0419.C23.o1.np	Method	AAT/NAP
Start	440	End	2114
GI	7513277	Score	882
Exons	440..1282, 2043..2114		
GI Descrip.	probable transmembrane protein TMC - human		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106623	Strand	+
Start	2034	End	2114
Name	OJ000328_08.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	452	End	721
GI	none	Score	454
Exons	452..721, 518..673, 544..720		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106623	Strand	+
Start	2034	End	2114
Name	OJ000328_08.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	452	End	1270
GI	none	Score	1088
Exons	452..1270, 518..673, 544..1266, 959..1270		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106623	Strand	+
Start	2034	End	2114
Name	OJ000328_08.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	488	End	1129
GI	none	Score	340
Exons	488..835, 544..723, 781..813, 877..1128, 902..1090, 1037..1129		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106623	Strand	+

Start	2034	End	2114
Name	OJ000328_08.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	506	End	724
GI	none	Score	294
Exons	506..724, 524..673, 544..723		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106623	Strand	+
Start	2034	End	2114
Name	OJ000328_08.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	985	End	2114
GI	none	Score	414
Exons	985..1281, 986..1279, 2019..2114, 2024..2113		

Seq. No.	50189	Seq. ID	OJ000328_08.0419.C23
Gene No.	106623	Strand	+
Start	2034	End	2114
Name	OJ000328_08.0419.C23.o2.gp	Method	AAT/GAP
Start	2034	End	2114
GI	3768146	Score	155
Exons	2034..2114		
GI Descrip.	1174470/sp|P46978|STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o1.gp	Method	AAT/GAP
Start	1	End	894
GI	25409_1.R1084	Score	992
Exons	1..108, 490..894		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 2.0e-54 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	1720
GI	7295549	Score	787
Exons	1..94, 502..944, 1075..1197, 1314..1373, 1591..1720		
GI Descrip.	(AE003569) CG1518 gene product [Drosophila melanogaster]		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	3	End	1725
GI	none	Score	74
Exons	3..26, 21..104, 37..108, 39..110, 487..945, 488..946, 489..947, 836..952, 1060..1200, 1070..1198, 1076..1201, 1311..1376,		

1315..1377, 1315..1377, 1316..1378, 1591..1725, 1592..1723, 1597..1725

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o3.ts	Method	TBLASTX:Soybean
Start	487	End	615
GI	none	Score	185
Exons	487..615, 488..610, 489..614		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o1.gs	Method	GENSCAN
Start	490	End	1720
GI	none	Score	.76
Exons	490..944, 1075..1197, 1314..1373, 1591..1720		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	616	End	1162
GI	none	Score	42
Exons	616..669, 652..909, 666..833, 734..907, 913..945, 1060..1161, 1070..1162		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	745	End	1186
GI	none	Score	326
Exons	745..945, 749..946, 1054..1164, 1060..1185, 1070..1186		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o2.gp	Method	AAT/GAP
Start	1091	End	1825
GI	85238_1.R1084	Score	735
Exons	1091..1197, 1314..1373, 1591..1825		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 1.0e-26 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o2.ts	Method	TBLASTX:Soybean
Start	1163	End	1714
GI	none	Score	64
Exons	1163..1198, 1165..1200, 1311..1376, 1315..1377, 1591..1713, 1592..1714		

Seq. No.	50190	Seq. ID	OJ000328_08.0419.C24
Gene No.	106624	Strand	+
Start	1	End	1825
Name	OJ000328_08.0419.C24.o2.tc	Method	TBLASTX:Cress
Start	1312	End	1719
GI	none	Score	47
Exons	1312..1338, 1335..1376, 1339..1377, 1591..1716, 1592..1714, 1600..1719		

Seq. No.	50191	Seq. ID	OJ000328_08.0419.C25
Gene No.	106625	Strand	+
Start	110	End	1043
Name	OJ000328_08.0419.C25.o1.gs	Method	GENSCAN
Start	110	End	1035
GI	none	Score	.55
Exons	110..149, 907..1035		

Seq. No.	50191	Seq. ID	OJ000328_08.0419.C25
Gene No.	106625	Strand	+
Start	110	End	1043
Name	OJ000328_08.0419.C25.o1.gp	Method	AAT/GAP
Start	773	End	1043
GI	5004743	Score	511
Exons	773..1043		

Seq. No.	50192	Seq. ID	OJ000328_08.0419.C26
Gene No.	106626	Strand	+
Start	269	End	1297
Name	OJ000328_08.0419.C26.o1.np	Method	AAT/NAP
Start	269	End	1291
GI	417570	Score	499
Exons	269..371, 446..553, 640..669, 815..952, 1077..1114, 1198..1291		
GI Descrip.	DIHYDROOROTATE DEHYDROGENASE PRECURSOR (DIHYDROOROTATE OXIDASE) (DHODEHASE) gi|478676|pir||S23762 dihydroorotate oxidase (EC 1.3.3.1) precursor - Arabidopsis thaliana gi|16449|emb|CAA44695.1| (X62909) dihydroorotate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	50192	Seq. ID	OJ000328_08.0419.C26
Gene No.	106626	Strand	+
Start	269	End	1297
Name	OJ000328_08.0419.C26.o1.tc	Method	TBLASTX:Cress
Start	275	End	1279
GI	none	Score	128
Exons	275..391, 276..374, 443..556, 445..555, 640..672, 803..952, 814..957, 1068..1112, 1076..1114, 1191..1268, 1195..1278, 1196..1279		

Seq. No.	50192	Seq. ID	OJ000328_08.0419.C26
Gene No.	106626	Strand	+
Start	269	End	1297
Name	OJ000328_08.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	275	End	535
GI	none	Score	141
Exons	275..391, 276..374, 443..535, 445..534		

Seq. No.	50192	Seq. ID	OJ000328_08.0419.C26
Gene No.	106626	Strand	+
Start	269	End	1297
Name	OJ000328_08.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	275	End	928
GI	none	Score	78
Exons	275..334, 276..338, 337..372, 443..550, 445..555, 640..672,	341..391, 342..374, 443..556, 803..928, 814..927	

Seq. No.	50192	Seq. ID	OJ000328_08.0419.C26
Gene No.	106626	Strand	+
Start	269	End	1297
Name	OJ000328_08.0419.C26.o1.gs	Method	GENSCAN
Start	291	End	1297
GI	none	Score	.77
Exons	291..371, 446..553, 640..669,	815..952, 1077..1114, 1198..1297	

Seq. No.	50193	Seq. ID	OJ000328_08.0419.C28
Gene No.	106627	Strand	+
Start	349	End	447
Name	OJ000328_08.0419.C28.o1.gs	Method	GENSCAN
Start	349	End	447
GI	none	Score	.65
Exons	349..447		

Seq. No.	50194	Seq. ID	OJ000328_08.0419.C30
Gene No.	106628	Strand	+
Start	176	End	1522
Name	OJ000328_08.0419.C30.o2.tm	Method	TBLASTX:Maize
Start	11	End	146
GI	none	Score	191
Exons	11..145, 12..146		

Seq. No.	50194	Seq. ID	OJ000328_08.0419.C30
Gene No.	106628	Strand	+
Start	176	End	1522
Name	OJ000328_08.0419.C30.o1.gs	Method	GENSCAN
Start	176	End	1326
GI	none	Score	.64
Exons	176..538, 631..1326		

Seq. No.	50194	Seq. ID	OJ000328_08.0419.C30
Gene No.	106628	Strand	+
Start	176	End	1522
Name	OJ000328_08.0419.C30.o1.gp	Method	AAT/GAP
Start	247	End	794
GI	none	Score	790
Exons	247..538, 631..794		

Seq. No.	50194	Seq. ID	OJ000328_08.0419.C30
Gene No.	106628	Strand	+
Start	176	End	1522
Name	OJ000328_08.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	726	End	1522
GI	none	Score	40
Exons	726..749, 726..1280, 727..1284, 792..1295, 1268..1336, 1269..1358, 1277..1522, 1328..1510, 1338..1511		

Seq. No.	50194	Seq. ID	OJ000328_08.0419.C30
Gene No.	106628	Strand	+
Start	176	End	1522
Name	OJ000328_08.0419.C30.o2.gp	Method	AAT/GAP
Start	824	End	1377
GI	none	Score	1070
Exons	824..1377		

Seq. No.	50194	Seq. ID	OJ000328_08.0419.C30
Gene No.	106628	Strand	+
Start	176	End	1522
Name	OJ000328_08.0419.C30.o1.tc	Method	TBLASTX:Cress
Start	874	End	1251
GI	none	Score	198
Exons	874..1137, 981..1115, 1168..1251, 1177..1251		

Seq. No.	50195	Seq. ID	OJ000328_08.0419.C31
Gene No.	106629	Strand	+
Start	1289	End	1702
Name	OJ000328_08.0419.C31.o1.gs	Method	GENSCAN
Start	1289	End	1666
GI	none	Score	.94
Exons	1289..1666		

Seq. No.	50195	Seq. ID	OJ000328_08.0419.C31
Gene No.	106629	Strand	+
Start	1289	End	1702
Name	OJ000328_08.0419.C31.o1.gp	Method	AAT/GAP
Start	1363	End	1666
GI	none	Score	594
Exons	1363..1666		

Seq. No.	50195	Seq. ID	OJ000328_08.0419.C31
Gene No.	106629	Strand	+
Start	1289	End	1702
Name	OJ000328_08.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	1466	End	1702
GI	none	Score	202
Exons	1466..1591, 1478..1504, 1516..1590, 1582..1668, 1583..1702		

Seq. No.	50195	Seq. ID	OJ000328_08.0419.C31
Gene No.	106629	Strand	+
Start	1289	End	1702
Name	OJ000328_08.0419.C31.o1.tc	Method	TBLASTX:Cress
Start	1469	End	1702
GI	none	Score	265
Exons	1469..1702, 1522..1617		

Seq. No.	50195	Seq. ID	OJ000328_08.0419.C31
Gene No.	106629	Strand	+
Start	1289	End	1702
Name	OJ000328_08.0419.C31.o1.ts	Method	TBLASTX:Soybean
Start	1475	End	1666
GI	none	Score	254
Exons	1475..1666, 1522..1617		

Seq. No.	50196	Seq. ID	OJ000328_08.0419.C32
Gene No.	106630	Strand	+
Start	69	End	177
Name	OJ000328_08.0419.C32.o1.gs	Method	GENSCAN
Start	69	End	177
GI	none	Score	.83
Exons	69..177		

Seq. No.	50196	Seq. ID	OJ000328_08.0419.C32
Gene No.	106631	Strand	-
Start	520	End	705
Name	OJ000328_08.0419.C32.o1.gp	Method	AAT/GAP
Start	520	End	705
GI	85238_1.R1084	Score	345
Exons	520..705		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 1.0e-26 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	50197	Seq. ID	OJ000328_09.0419.C3
Gene No.	106632	Strand	+
Start	459	End	531
Name	OJ000328_09.0419.C3.o1.gs	Method	GENSCAN
Start	459	End	531
GI	none	Score	.71
Exons	459..531		

Seq. No.	50197	Seq. ID	OJ000328_09.0419.C3
Gene No.	106633	Strand	+
Start	1873	End	2503
Name	OJ000328_09.0419.C3.o2.gs	Method	GENSCAN
Start	1873	End	2503
GI	none	Score	.61
Exons	1873..1908, 2069..2204, 2313..2503		

Seq. No.	50197	Seq. ID	OJ000328_09.0419.C3
Gene No.	106634	Strand	+
Start	5594	End	6122
Name	OJ000328_09.0419.C3.o3.gs	Method	GENSCAN
Start	5594	End	6122
GI	none	Score	.43
Exons	5594..5673, 5972..6122		

Seq. No.	50197	Seq. ID	OJ000328_09.0419.C3
Gene No.	106635	Strand	-
Start	6351	End	8592
Name	OJ000328_09.0419.C3.o1.np	Method	AAT/NAP
Start	6351	End	8575
GI	7248395	Score	1285
Exons	6351..7362, 8070..8575		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	50197	Seq. ID	OJ000328_09.0419.C3
Gene No.	106635	Strand	-
Start	6351	End	8592

Name	OJ000328_09.0419.C3.o4.gs	Method	GENSCAN
Start	6617	End	8592
GI	none	Score	.72
Exons	6617..6832, 7051..7395, 8281..8592		

Seq. No.	50197	Seq. ID	OJ000328_09.0419.C3
Gene No.	106636	Strand	-
Start	9190	End	9539
Name	OJ000328_09.0419.C3.o5.gs	Method	GENSCAN
Start	9190	End	9539
GI	none	Score	.69
Exons	9190..9382, 9398..9539		

Seq. No.	50198	Seq. ID	OJ000328_09.0419.C4
Gene No.	106637	Strand	+
Start	146	End	2520
Name	OJ000328_09.0419.C4.o1.gs	Method	GENSCAN
Start	146	End	2520
GI	none	Score	.41
Exons	146..229, 1595..1790, 2453..2520		

Seq. No.	50198	Seq. ID	OJ000328_09.0419.C4
Gene No.	106638	Strand	+
Start	2456	End	8968
Name	OJ000328_09.0419.C4.o1.np	Method	AAT/NAP
Start	2456	End	4913
GI	3834304	Score	103
Exons	2456..2513, 4547..4913		
GI Descrip.	(AC005679) Contains similarity to gi|1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb|AE000116, and to hypothetical YABO family PF|00849. [Arabidopsis thaliana]		

Seq. No.	50198	Seq. ID	OJ000328_09.0419.C4
Gene No.	106638	Strand	+
Start	2456	End	8968
Name	OJ000328_09.0419.C4.o3.gs	Method	GENSCAN
Start	4608	End	8968
GI	none	Score	.44
Exons	4608..4725, 5234..5414, 7097..7136, 8213..8323, 8486..8607, 8663..8797, 8875..8968		

Seq. No.	50198	Seq. ID	OJ000328_09.0419.C4
Gene No.	106639	Strand	+
Start	9319	End	10917
Name	OJ000328_09.0419.C4.o2.np	Method	AAT/NAP
Start	9319	End	10917
GI	128657	Score	177
Exons	9319..9601, 10869..10917		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	50198	Seq. ID	OJ000328_09.0419.C4
Gene No.	106640	Strand	-
Start	2854	End	3301
Name	OJ000328_09.0419.C4.o2.gs	Method	GENSCAN
Start	2854	End	3301
GI	none	Score	.62
Exons	2854..3035, 3187..3208, 3239..3301		

Seq. No.	50198	Seq. ID	OJ000328_09.0419.C4
Gene No.	106641	Strand	-
Start	9942	End	10170
Name	OJ000328_09.0419.C4.o4.gs	Method	GENSCAN
Start	9942	End	10170
GI	none	Score	.67
Exons	9942..10170		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106642	Strand	+
Start	433	End	792
Name	OJ000328_09.0419.C5.o1.gs	Method	GENSCAN
Start	433	End	792
GI	none	Score	.78
Exons	433..467, 582..792		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106643	Strand	+
Start	4023	End	5265
Name	OJ000328_09.0419.C5.o2.gp	Method	AAT/GAP
Start	4023	End	5265
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	4023..4059, 5196..5265		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106643	Strand	+
Start	4023	End	5265
Name	OJ000328_09.0419.C5.o1.gp	Method	AAT/GAP
Start	4337	End	4786
GI	LIB3432-059-P1-K1-D8	Score	703
Exons	4337..4786		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106644	Strand	+
Start	13368	End	13814
Name	OJ000328_09.0419.C5.o4.gp	Method	AAT/GAP
Start	13368	End	13814
GI	none	Score	795
Exons	13368..13814		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106645	Strand	+
Start	14822	End	17027
Name	OJ000328_09.0419.C5.o5.gs	Method	GENSCAN

Start	14822	End	17027
GI	none	Score	.63
Exons	14822..15152, 15311..15447, 15649..15764, 15816..16095, 16818..17027		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106645	Strand	+
Start	14822	End	17027
Name	OJ000328_09.0419.C5.o3.np	Method	AAT/NAP
Start	15579	End	16393
GI	7242910	Score	892
Exons	15579..16253, 16322..16393		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106646	Strand	-
Start	1	End	8178
Name	OJ000328_09.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	3296
GI	7486726	Score	423
Exons	1..445, 559..1013, 1112..1350, 3263..3296		
GI Descrip.	hypothetical protein F9D12.2 - Arabidopsis thaliana gi|3319345|gb|AAC26234.1| (AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106646	Strand	-
Start	1	End	8178
Name	OJ000328_09.0419.C5.o2.gs	Method	GENSCAN
Start	1184	End	8178
GI	none	Score	.58
Exons	1184..2100, 5501..5884, 6013..6132, 7680..7815, 8128..8178		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106647	Strand	-
Start	13763	End	14077
Name	OJ000328_09.0419.C5.o3.gp	Method	AAT/GAP
Start	12620	End	12722
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	12620..12722		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106647	Strand	-
Start	13763	End	14077
Name	OJ000328_09.0419.C5.o4.gs	Method	GENSCAN
Start	13763	End	14077
GI	none	Score	.89
Exons	13763..14077		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106648	Strand	-
Start	18606	End	22467
Name	OJ000328_09.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	68	End	407

GI	none	Score	44
Exons	68..406, 113..298, 273..407		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106648	Strand	-
Start	18606	End	22467
Name	OJ000328_09.0419.C5.o6.gs	Method	GENSCAN
Start	18606	End	22284
GI	none	Score	.8
Exons	18606..19130, 19876..20160, 20976..21122, 21892..22284		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106648	Strand	-
Start	18606	End	22467
Name	OJ000328_09.0419.C5.o4.np	Method	AAT/NAP
Start	19792	End	22467
GI	4006915	Score	443
Exons	19792..19945, 19979..20160, 20853..21102, 21869..22303, 22391..22467		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106648	Strand	-
Start	18606	End	22467
Name	OJ000328_09.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	19801	End	20154
GI	none	Score	95
Exons	19801..19944, 19808..19939, 19999..20154, 20011..20154		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106648	Strand	-
Start	18606	End	22467
Name	OJ000328_09.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	21892	End	22458
GI	none	Score	90
Exons	21892..22005, 21896..22006, 22010..22117, 22030..22116, 22132..22218, 22136..22219, 22387..22458		

Seq. No.	50199	Seq. ID	OJ000328_09.0419.C5
Gene No.	106648	Strand	-
Start	18606	End	22467
Name	OJ000328_09.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	21937	End	22458
GI	none	Score	40
Exons	21937..21996, 21937..21996, 22030..22107, 22034..22108, 22112..22219, 22135..22218, 22387..22458		

Seq. No.	50200	Seq. ID	OJ000328_09.0419.C6
Gene No.	106649	Strand	+
Start	2238	End	3151
Name	OJ000328_09.0419.C6.o1.gs	Method	GENSCAN
Start	2238	End	3151
GI	none	Score	.81
Exons	2238..2362, 3055..3151		

Seq. No.	50201	Seq. ID	OJ000328_09.0419.C10
Gene No.	106650	Strand	+

Start	1043	End	1348
Name	OJ000328_09.0419.C10.o1.gs	Method	GENSCAN
Start	1043	End	1348
GI	none	Score	.85
Exons	1043..1348		

Seq. No.	50201	Seq. ID	OJ000328_09.0419.C10
Gene No.	106651	Strand	-
Start	2510	End	2866
Name	OJ000328_09.0419.C10.o2.gs	Method	GENSCAN
Start	2510	End	2866
GI	none	Score	.77
Exons	2510..2866		

Seq. No.	50202	Seq. ID	OJ000328_09.0419.C11
Gene No.	106652	Strand	+
Start	4544	End	6973
Name	OJ000328_09.0419.C11.o2.gs	Method	GENSCAN
Start	4544	End	6973
GI	none	Score	.84
Exons	4544..4876, 6935..6973		

Seq. No.	50202	Seq. ID	OJ000328_09.0419.C11
Gene No.	106653	Strand	-
Start	90	End	5161
Name	OJ000328_09.0419.C11.o1.gs	Method	GENSCAN
Start	90	End	2023
GI	none	Score	.82
Exons	90..385, 480..656, 1108..1374, 1700..2023		

Seq. No.	50202	Seq. ID	OJ000328_09.0419.C11
Gene No.	106653	Strand	-
Start	90	End	5161
Name	OJ000328_09.0419.C11.o1.np	Method	AAT/NAP
Start	1108	End	5161
GI	6651395	Score	254
Exons	1108..1320, 1634..2017, 3167..3253, 5087..5161		
GI Descrip.	(AF179222) floral nectary-specific protein [Brassica rapa subsp. pekinensis]		

Seq. No.	50203	Seq. ID	OJ000328_09.0419.C13
Gene No.	106654	Strand	-
Start	1	End	1953
Name	OJ000328_09.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	1953
GI	4680204	Score	702
Exons	1..33, 457..1026, 1101..1953		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	50203	Seq. ID	OJ000328_09.0419.C13
Gene No.	106654	Strand	-
Start	1	End	1953
Name	OJ000328_09.0419.C13.o1.gs	Method	GENSCAN
Start	398	End	1841
GI	none	Score	.44
Exons	398..708, 885..1026, 1101..1841		

Seq. No.	50203	Seq. ID	OJ000328_09.0419.C13
Gene No.	106654	Strand	-
Start	1	End	1953
Name	OJ000328_09.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	1491	End	1892
GI	none	Score	42
Exons	1491..1586, 1491..1661, 1624..1785, 1656..1892, 1743..1892		

Seq. No.	50204	Seq. ID	OJ000328_09.0419.C14
Gene No.	106655	Strand	-
Start	28	End	363
Name	OJ000328_09.0419.C14.o1.gs	Method	GENSCAN
Start	28	End	363
GI	none	Score	.97
Exons	28..363		

Seq. No.	50204	Seq. ID	OJ000328_09.0419.C14
Gene No.	106656	Strand	-
Start	1170	End	1233
Name	OJ000328_09.0419.C14.o1.gp	Method	AAT/GAP
Start	1170	End	1233
GI	LIB3477-003-P1-K1-E9	Score	89
Exons	1170..1233		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50204	Seq. ID	OJ000328_09.0419.C14
Gene No.	106657	Strand	-
Start	1245	End	1796
Name	OJ000328_09.0419.C14.o2.gs	Method	GENSCAN
Start	1245	End	1796
GI	none	Score	.89
Exons	1245..1796		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106658	Strand	+
Start	979	End	1424
Name	OJ000328_09.0419.C15.o3.gp	Method	AAT/GAP
Start	979	End	1424
GI	LIB3431-028-P1-N1-A10	Score	763
Exons	979..1049, 1077..1424		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-
Start	110	End	2814
Name	OJ000328_09.0419.C15.o1.gp	Method	AAT/GAP
Start	110	End	2814
GI	342_1.R1084	Score	4381
Exons	110..625, 735..832, 915..934, 970..2814		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-

Start	110	End	2814
Name	OJ000328_09.0419.C15.o1.gs	Method	GENSCAN
Start	1042	End	2758
GI	none	Score	.56
Exons	1042..1248, 1262..2758		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-
Start	110	End	2814
Name	OJ000328_09.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	1123	End	2435
GI	none	Score	131
Exons	1123..1209, 1198..1245, 1292..1432, 1293..1433, 1380..1475, 1412..1471, 1478..1519, 1478..1522, 1517..2434, 1533..2435		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-
Start	110	End	2814
Name	OJ000328_09.0419.C15.o1.np	Method	AAT/NAP
Start	1602	End	2814
GI	6742729	Score	1894
Exons	1602..2814		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-
Start	110	End	2814
Name	OJ000328_09.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	1699	End	2151
GI	none	Score	190
Exons	1699..1950, 1700..2137, 1700..2143, 1704..2147, 1710..2147, 1969..2151		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-
Start	110	End	2814
Name	OJ000328_09.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	2078	End	2392
GI	none	Score	145
Exons	2078..2392, 2079..2381		

Seq. No.	50205	Seq. ID	OJ000328_09.0419.C15
Gene No.	106659	Strand	-
Start	110	End	2814
Name	OJ000328_09.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	2436	End	2812
GI	none	Score	76
Exons	2436..2522, 2438..2521, 2554..2766, 2555..2797, 2595..2777, 2783..2812		

Seq. No.	50206	Seq. ID	OJ000328_09.0419.C16
Gene No.	106660	Strand	+
Start	31	End	1419
Name	OJ000328_09.0419.C16.o1.gs	Method	GENSCAN
Start	31	End	1419
GI	none	Score	.75
Exons	31..294, 1213..1419		

Seq. No.	50206	Seq. ID	OJ000328_09.0419.C16
Gene No.	106661	Strand	+
Start	6035	End	7849
Name	OJ000328_09.0419.C16.o1.np	Method	AAT/NAP
Start	6035	End	7849
GI	6721512	Score	80
Exons	6035..6152, 6180..6314, 6357..6401, 7812..7849		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	50206	Seq. ID	OJ000328_09.0419.C16
Gene No.	106662	Strand	-
Start	2269	End	2597
Name	OJ000328_09.0419.C16.o2.gs	Method	GENSCAN
Start	2269	End	2597
GI	none	Score	.68
Exons	2269..2520, 2553..2597		

Seq. No.	50206	Seq. ID	OJ000328_09.0419.C16
Gene No.	106663	Strand	-
Start	4402	End	5326
Name	OJ000328_09.0419.C16.o3.gs	Method	GENSCAN
Start	4402	End	5326
GI	none	Score	.74
Exons	4402..4829, 4921..4980, 5035..5326		

Seq. No.	50207	Seq. ID	OJ000228_09.0420.C13
Gene No.	106664	Strand	-
Start	536	End	1501
Name	OJ000228_09.0420.C13.o1.gs	Method	GENSCAN
Start	536	End	1501
GI	none	Score	.93
Exons	536..1019, 1166..1501		

Seq. No.	50208	Seq. ID	OJ000228_09.0420.C20
Gene No.	106665	Strand	-
Start	426	End	783
Name	OJ000228_09.0420.C20.o1.gs	Method	GENSCAN
Start	426	End	690
GI	none	Score	.88
Exons	426..443, 550..690		

Seq. No.	50208	Seq. ID	OJ000228_09.0420.C20
Gene No.	106665	Strand	-
Start	426	End	783
Name	OJ000228_09.0420.C20.o1.np	Method	AAT/NAP
Start	568	End	783
GI	4063770	Score	178
Exons	568..783		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	50208	Seq. ID	OJ000228_09.0420.C20
Gene No.	106665	Strand	-
Start	426	End	783
Name	OJ000228_09.0420.C20.o1.tm	Method	TBLASTX:Maize
Start	574	End	783
GI	none	Score	106

Exons	574..783, 587..781		
Seq. No.	50209	Seq. ID	OJ000228_09.0420.C21
Gene No.	106666	Strand	-
Start	1	End	744
Name	OJ000228_09.0420.C21.o1.np	Method	AAT/NAP
Start	1	End	744
GI	4063770	Score	73
Exons	1..202, 705..744		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		
Seq. No.	50209	Seq. ID	OJ000228_09.0420.C21
Gene No.	106666	Strand	-
Start	1	End	744
Name	OJ000228_09.0420.C21.o1.gs	Method	GENSCAN
Start	50	End	311
GI	none	Score	.64
Exons	50..311		
Seq. No.	50210	Seq. ID	OJ000228_09.0420.C22
Gene No.	106667	Strand	+
Start	1054	End	1428
Name	OJ000228_09.0420.C22.o1.gs	Method	GENSCAN
Start	1054	End	1428
GI	none	Score	.94
Exons	1054..1428		
Seq. No.	50210	Seq. ID	OJ000228_09.0420.C22
Gene No.	106668	Strand	-
Start	1999	End	2273
Name	OJ000228_09.0420.C22.o2.gs	Method	GENSCAN
Start	1999	End	2273
GI	none	Score	.94
Exons	1999..2111, 2252..2273		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106669	Strand	+
Start	348	End	1220
Name	OJ000228_09.0420.C23.o1.gs	Method	GENSCAN
Start	348	End	1220
GI	none	Score	.95
Exons	348..453, 874..1002, 1053..1220		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106670	Strand	+
Start	2299	End	2391
Name	OJ000228_09.0420.C23.o2.gp	Method	AAT/GAP
Start	2299	End	2391
GI	none	Score	140
Exons	2299..2391		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106671	Strand	-
Start	832	End	1591
Name	OJ000228_09.0420.C23.o1.gp	Method	AAT/GAP
Start	832	End	1591
GI	none	Score	797

Exons	832..1207, 1544..1591		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106672	Strand	-
Start	1641	End	8683
Name	OJ000228_09.0420.C23.o2.tm	Method	TBLASTX:Maize
Start	960	End	1785
GI	none	Score	35
Exons	960..1046, 1081..1146, 1095..1145, 1145..1213, 1146..1214, 1502..1609, 1540..1590, 1542..1598, 1698..1784, 1698..1784, 1699..1785		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106672	Strand	-
Start	1641	End	8683
Name	OJ000228_09.0420.C23.o2.gs	Method	GENSCAN
Start	1641	End	8683
GI	none	Score	.69
Exons	1641..1790, 2304..2387, 2943..3157, 4584..4628, 6041..6141, 6212..6639, 7024..7278, 8651..8683		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106672	Strand	-
Start	1641	End	8683
Name	OJ000228_09.0420.C23.o1.tc	Method	TBLASTX:Cress
Start	3550	End	6313
GI	none	Score	87
Exons	3550..3606, 6042..6134, 6043..6120, 6199..6312, 6200..6313		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106672	Strand	-
Start	1641	End	8683
Name	OJ000228_09.0420.C23.o3.gp	Method	AAT/GAP
Start	4053	End	4542
GI	none	Score	950
Exons	4053..4542		
Seq. No.	50211	Seq. ID	OJ000228_09.0420.C23
Gene No.	106672	Strand	-
Start	1641	End	8683
Name	OJ000228_09.0420.C23.o1.tm	Method	TBLASTX:Maize
Start	6087	End	6585
GI	none	Score	60
Exons	6087..6155, 6087..6134, 6199..6435, 6212..6382, 6553..6585		
Seq. No.	50212	Seq. ID	OJ000228_09.0420.C24
Gene No.	106673	Strand	+
Start	720	End	2843
Name	OJ000228_09.0420.C24.o1.np	Method	AAT/NAP
Start	720	End	2843
GI	2129727	Score	249
Exons	720..827, 978..1022, 1659..1731, 1839..1951, 2059..2118, 2215..2262, 2541..2679, 2794..2843		
GI Descrip.	RNA-binding protein 37 - Arabidopsis thaliana gi|1174153|gb|AAA86641.1| (U44134) RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	50212	Seq. ID	OJ000228_09.0420.C24
Gene No.	106673	Strand	+
Start	720	End	2843
Name	OJ000228_09.0420.C24.o1.tc	Method	TBLASTX:Cress
Start	759	End	2606
GI	none	Score	74
Exons	759..830, 1659..1730, 1671..1721, 1804..1947, 1844..1951, 1844..1921, 2047..2142, 2057..2131, 2538..2606		

Seq. No.	50212	Seq. ID	OJ000228_09.0420.C24
Gene No.	106673	Strand	+
Start	720	End	2843
Name	OJ000228_09.0420.C24.o1.tw	Method	TBLASTX:Wheat
Start	759	End	2109
GI	none	Score	71
Exons	759..830, 1659..1730, 1844..1951, 1849..1947, 1867..1977, 2047..2109		

Seq. No.	50212	Seq. ID	OJ000228_09.0420.C24
Gene No.	106673	Strand	+
Start	720	End	2843
Name	OJ000228_09.0420.C24.o1.ts	Method	TBLASTX:Soybean
Start	774	End	2603
GI	none	Score	64
Exons	774..830, 1659..1730, 1671..1721, 1844..1951, 1844..1921, 1997..2056, 2013..2117, 2046..2120, 2047..2127, 2059..2136, 2060..2152, 2538..2603		

Seq. No.	50212	Seq. ID	OJ000228_09.0420.C24
Gene No.	106673	Strand	+
Start	720	End	2843
Name	OJ000228_09.0420.C24.o1.tm	Method	TBLASTX:Maize
Start	777	End	2606
GI	none	Score	68
Exons	777..830, 1659..1730, 1671..1721, 1844..1951, 1844..1936, 2046..2120, 2047..2127, 2538..2606		

Seq. No.	50212	Seq. ID	OJ000228_09.0420.C24
Gene No.	106673	Strand	+
Start	720	End	2843
Name	OJ000228_09.0420.C24.o1.gs	Method	GENSCAN
Start	1656	End	2473
GI	none	Score	.6
Exons	1656..1731, 1839..1951, 2215..2262, 2318..2473		

Seq. No.	50213	Seq. ID	OJ000228_09.0420.C26
Gene No.	106674	Strand	-
Start	525	End	1922
Name	OJ000228_09.0420.C26.o1.gs	Method	GENSCAN
Start	525	End	1922
GI	none	Score	.48
Exons	525..607, 1805..1922		

Seq. No.	50214	Seq. ID	OJ000228_09.0420.C27
Gene No.	106675	Strand	-
Start	14	End	1274
Name	OJ000228_09.0420.C27.o1.gs	Method	GENSCAN

Start	14	End	1274
GI	none	Score	.42
Exons	14..132, 729..825, 1203..1274		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106676	Strand	+
Start	8827	End	14511
Name	OJ000228_09.0420.C28.o5.gs	Method	GENSCAN
Start	8827	End	14511
GI	none	Score	.76
Exons	8827..8952, 9044..9144, 10916..11013, 13209..13309, 13462..13701, 14317..14511		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106677	Strand	+
Start	16782	End	18925
Name	OJ000228_09.0420.C28.o2.np	Method	AAT/NAP
Start	16569	End	18615
GI	6862947	Score	781
Exons	16569..17030, 17170..17277, 17375..17488, 17585..17758, 18294..18409, 18525..18615		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106677	Strand	+
Start	16782	End	18925
Name	OJ000228_09.0420.C28.o1.gp	Method	AAT/GAP
Start	16615	End	17229
GI	25157_1.R1084	Score	852
Exons	16615..17030, 17170..17229		
GI Descrip.	'4206195/gb|AAD11583.1|AAD11583 2.0e-13 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4262169_gb_AAD14469_ (AC005275) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106677	Strand	+
Start	16782	End	18925
Name	OJ000228_09.0420.C28.o6.gs	Method	GENSCAN
Start	16782	End	18780
GI	none	Score	.49
Exons	16782..17030, 17170..17277, 17311..17488, 17890..17988, 18674..18780		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106677	Strand	+
Start	16782	End	18925
Name	OJ000228_09.0420.C28.o2.gp	Method	AAT/GAP
Start	17244	End	18925
GI	101_2.R1084	Score	1319
Exons	17244..17277, 17375..17488, 17585..17758, 18294..18409, 18525..18588, 18674..18925		
GI Descrip.	'4206195/gb|AAD11583.1|AAD11583 9.0e-23 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4262169_gb_AAD14469_ (AC005275) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106678	Strand	-

Start	3003	End	16906
Name	OJ000228_09.0420.C28.o1.np	Method	AAT/NAP
Start	3003	End	16906
GI	4218011	Score	798
Exons	3003..3153, 3302..3551, 3698..3845, 3974..4050, 4207..4277, 4384..4470, 4631..5309, 5400..5573, 16609..16906		
GI Descrip.	(AC006135) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106678	Strand	-
Start	3003	End	16906
Name	OJ000228_09.0420.C28.o3.gs	Method	GENSCAN
Start	6354	End	6844
GI	none	Score	.52
Exons	6354..6398, 6503..6710, 6762..6844		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106678	Strand	-
Start	3003	End	16906
Name	OJ000228_09.0420.C28.o4.gs	Method	GENSCAN
Start	7516	End	8464
GI	none	Score	.82
Exons	7516..7640, 8152..8316, 8371..8464		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o6.tm	Method	TBLASTX:Maize
Start	1455	End	1732
GI	none	Score	50
Exons	1455..1712, 1497..1550, 1501..1713, 1606..1716, 1649..1732, 1653..1715		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o3.tm	Method	TBLASTX:Maize
Start	3387	End	4931
GI	none	Score	79
Exons	3387..3551, 3698..3844, 3744..3845, 3971..4051, 3972..4052, 3973..4053, 3973..4053, 4196..4273, 4204..4272, 4365..4451, 4382..4459, 4626..4751, 4632..4931, 4693..4920		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o5.ts	Method	TBLASTX:Soybean
Start	3698	End	4457
GI	none	Score	71
Exons	3698..3844, 3698..3844, 3741..3845, 3753..3875, 3962..4045, 3973..4050, 3974..4051, 4196..4273, 4204..4290, 4382..4456, 4383..4457		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o1.tc	Method	TBLASTX:Cress

Start	4382	End	4928
GI	none	Score	46
Exons	4382..4492, 4628..4675, 4629..4751, 4629..4925, 4702..4923, 4827..4928		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o1.ts	Method	TBLASTX:Soybean
Start	4623	End	4925
GI	none	Score	187
Exons	4623..4925, 4696..4923		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o2.tw	Method	TBLASTX:Wheat
Start	4704	End	4928
GI	none	Score	169
Exons	4704..4928, 4705..4923		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o5.tm	Method	TBLASTX:Maize
Start	8803	End	11075
GI	none	Score	120
Exons	8803..8946, 8808..8843, 8880..8948, 9042..9146, 9044..9145, 10893..11033, 10910..11032, 10914..11075, 10915..11067		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o1.tw	Method	TBLASTX:Wheat
Start	8842	End	11812
GI	none	Score	153
Exons	8842..8952, 8880..8954, 9026..9142, 9041..9145, 9043..9147, 9043..9144, 10829..11014, 10893..11012, 10915..11013, 11646..11807, 11663..11812, 11664..11804		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o4.tm	Method	TBLASTX:Maize
Start	16740	End	17229
GI	none	Score	66
Exons	16740..16847, 16749..16970, 16932..17030, 16958..17050, 17158..17229, 17166..17222, 17167..17229		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o2.ts	Method	TBLASTX:Soybean
Start	16953	End	17629
GI	none	Score	109
Exons	16953..17030, 16964..17050, 17158..17256, 17166..17252, 17257..17277, 17372..17488, 17374..17487, 17584..17628,		

17594..17629

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o1.tm	Method	TBLASTX:Maize
Start	17230	End	18800
GI	none	Score	39
Exons	17230..17256, 17256..17276, 17257..17277, 17371..17487, 17372..17488, 17372..17488, 17380..17490, 17579..17755, 17580..17753, 17583..17759, 17584..17757, 17584..17760, 17594..17758, 18276..18410, 18293..18412, 18297..18413, 18301..18411, 18514..18585, 18528..18590, 18673..18798, 18741..18800		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o3.ts	Method	TBLASTX:Soybean
Start	17633	End	18588
GI	none	Score	159
Exons	17633..17758, 17635..17760, 18270..18410, 18293..18412, 18293..18409, 18514..18588, 18528..18557		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o7.gs	Method	GENSCAN
Start	19459	End	22984
GI	none	Score	.71
Exons	19459..19818, 20322..20591, 20979..21135, 21276..21442, 21481..21567, 21742..21918, 22248..22550, 22835..22984		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o3.np	Method	AAT/NAP
Start	19477	End	24410
GI	6714410	Score	734
Exons	19477..19818, 20322..20591, 22137..22553, 23442..23654, 24364..24410		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o2.tm	Method	TBLASTX:Maize
Start	19600	End	22214
GI	none	Score	86
Exons	19600..19758, 19640..19738, 19657..19758, 19658..19759, 19749..19820, 19750..19821, 19750..19821, 20319..20375, 20320..20376, 20320..20376, 20379..20594, 20380..20589, 22132..22212, 22137..22214, 22137..22214		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410

Name	OJ000228_09.0420.C28.o4.ts	Method	TBLASTX:Soybean
Start	19708	End	23585
GI	none	Score	136
Exons	19708..19821, 20319..20357, 20373..20582, 20398..20583, 23478..23585		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o3.gp	Method	AAT/GAP
Start	21300	End	21748
GI	2427727	Score	787
Exons	21300..21748		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o2.tc	Method	TBLASTX:Cress
Start	22299	End	23648
GI	none	Score	72
Exons	22299..22445, 22309..22404, 22503..22553, 23454..23648, 23461..23646		

Seq. No.	50215	Seq. ID	OJ000228_09.0420.C28
Gene No.	106679	Strand	-
Start	19459	End	24410
Name	OJ000228_09.0420.C28.o4.gp	Method	AAT/GAP
Start	22677	End	22814
GI	3107799	Score	259
Exons	22677..22814		

Seq. No.	50216	Seq. ID	OJ000228_09.0420.C29
Gene No.	106680	Strand	-
Start	1	End	4356
Name	OJ000228_09.0420.C29.o1.np	Method	AAT/NAP
Start	1	End	4356
GI	6714410	Score	634
Exons	1..21, 372..619, 719..1137, 1232..1498, 2010..2373, 2997..3157, 3271..3454, 4080..4356		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	50216	Seq. ID	OJ000228_09.0420.C29
Gene No.	106680	Strand	-
Start	1	End	4356
Name	OJ000228_09.0420.C29.o1.tm	Method	TBLASTX:Maize
Start	517	End	951
GI	none	Score	65
Exons	517..621, 518..613, 703..951, 709..909, 726..935		

Seq. No.	50216	Seq. ID	OJ000228_09.0420.C29
Gene No.	106680	Strand	-
Start	1	End	4356
Name	OJ000228_09.0420.C29.o1.gs	Method	GENSCAN
Start	596	End	3463
GI	none	Score	.88
Exons	596..619, 1232..1500, 2015..2373, 3260..3463		

Seq. No.	50216	Seq. ID	OJ000228_09.0420.C29
Gene No.	106680	Strand	-
Start	1	End	4356
Name	OJ000228_09.0420.C29.o2.tm	Method	TBLASTX:Maize
Start	3660	End	3909
GI	none	Score	180
Exons	3660..3821, 3661..3909, 3718..3849		

Seq. No.	50217	Seq. ID	OJ000228_09.0420.C32
Gene No.	106681	Strand	+
Start	1	End	555
Name	OJ000228_09.0420.C32.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6554485	Score	381
Exons	1..555		
GI Descrip.	(AC012394) unknown protein [Arabidopsis thaliana] gi|6573714|gb|AAF17634.1|AC009978_10 (AC009978) T23E18.26 [Arabidopsis thaliana]		

Seq. No.	50217	Seq. ID	OJ000228_09.0420.C32
Gene No.	106682	Strand	-
Start	1536	End	1788
Name	OJ000228_09.0420.C32.o1.ts	Method	TBLASTX:Soybean
Start	1	End	480
GI	none	Score	206
Exons	1..162, 3..161, 172..480, 204..425, 283..444		

Seq. No.	50217	Seq. ID	OJ000228_09.0420.C32
Gene No.	106682	Strand	-
Start	1536	End	1788
Name	OJ000228_09.0420.C32.o1.tm	Method	TBLASTX:Maize
Start	3	End	417
GI	none	Score	131
Exons	3..125, 7..138, 154..417, 204..416		

Seq. No.	50217	Seq. ID	OJ000228_09.0420.C32
Gene No.	106682	Strand	-
Start	1536	End	1788
Name	OJ000228_09.0420.C32.o1.tc	Method	TBLASTX:Cress
Start	46	End	513
GI	none	Score	87
Exons	46..138, 51..125, 169..513, 204..419, 295..420		

Seq. No.	50217	Seq. ID	OJ000228_09.0420.C32
Gene No.	106682	Strand	-
Start	1536	End	1788
Name	OJ000228_09.0420.C32.o1.gp	Method	AAT/GAP
Start	1536	End	1788
GI	none	Score	470
Exons	1536..1788		

Seq. No.	50218	Seq. ID	OJ000228_09.0420.C33
Gene No.	106683	Strand	+
Start	61	End	1264
Name	OJ000228_09.0420.C33.o1.np	Method	AAT/NAP
Start	61	End	1264
GI	2126090	Score	2064

Exons	61..1264
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]

Seq. No.	50218	Seq. ID	OJ000228_09.0420.C33
Gene No.	106683	Strand	+
Start	61	End	1264
Name	OJ000228_09.0420.C33.o1.gs	Method	GENSCAN
Start	330	End	953
GI	none	Score	.41
Exons	330..953		

Seq. No.	50218	Seq. ID	OJ000228_09.0420.C33
Gene No.	106684	Strand	-
Start	1626	End	4276
Name	OJ000228_09.0420.C33.o1.tm	Method	TBLASTX:Maize
Start	1623	End	3209
GI	none	Score	236
Exons	1623..1865, 1630..1869, 1631..1798, 1632..1868, 1639..1872, 2419..2559, 2433..2567, 2436..2558, 2452..2565, 2748..2891, 2749..2859, 2755..2898, 2756..2935, 2757..2885, 2986..3042, 2988..3038, 2989..3207, 3006..3059, 3045..3209		

Seq. No.	50218	Seq. ID	OJ000228_09.0420.C33
Gene No.	106684	Strand	-
Start	1626	End	4276
Name	OJ000228_09.0420.C33.o2.gs	Method	GENSCAN
Start	1626	End	4263
GI	none	Score	.82
Exons	1626..1869, 2437..2564, 2756..2886, 2990..3195, 3814..3975, 4112..4263		

Seq. No.	50218	Seq. ID	OJ000228_09.0420.C33
Gene No.	106684	Strand	-
Start	1626	End	4276
Name	OJ000228_09.0420.C33.o1.gp	Method	AAT/GAP
Start	3147	End	4276
GI	3768230	Score	661
Exons	3147..3195, 3814..3975, 4112..4276		

Seq. No.	50219	Seq. ID	OJ000228_09.0420.C35
Gene No.	106685	Strand	-
Start	842	End	1064
Name	OJ000228_09.0420.C35.o1.gs	Method	GENSCAN
Start	842	End	1064
GI	none	Score	.45
Exons	842..1064		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106686	Strand	+
Start	1	End	169
Name	OJ000228_09.0420.C36.o1.gp	Method	AAT/GAP
Start	1	End	169

GI	36280_1.R1084	Score	330
Exons	1..169		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106687	Strand	+
Start	1863	End	2298
Name	OJ000228_09.0420.C36.o3.gp	Method	AAT/GAP
Start	1863	End	2298
GI	uC-osf1M2020118f01a1	Score	809
Exons	1863..2298		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o1.np	Method	AAT/NAP
Start	1	End	3236
GI	5295971	Score	5519
Exons	1..3236		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o3.tm	Method	TBLASTX:Maize
Start	1	End	342
GI	none	Score	420
Exons	1..342, 2..340		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o1.gs	Method	GENSCAN
Start	13	End	3138
GI	none	Score	.74
Exons	13..3138		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o1.tw	Method	TBLASTX:Wheat
Start	169	End	724
GI	none	Score	66
Exons	169..393, 379..723, 383..568, 403..570, 635..724		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236

Name	OJ000228_09.0420.C36.o2.ts	Method	TBLASTX:Soybean
Start	394	End	891
GI	5509260	Score	130
Exons	394..891, 413..571, 635..811		
GI Descrip.	-		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o2.tc	Method	TBLASTX:Cress
Start	505	End	769
GI	none	Score	60
Exons	505..675, 505..768, 638..769		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o4.tm	Method	TBLASTX:Maize
Start	544	End	840
GI	none	Score	175
Exons	544..840, 545..814, 567..833		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o1.ts	Method	TBLASTX:Soybean
Start	1342	End	1821
GI	none	Score	161
Exons	1342..1488, 1513..1821, 1526..1816		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o1.tc	Method	TBLASTX:Cress
Start	1366	End	1806
GI	none	Score	60
Exons	1366..1488, 1510..1806, 1520..1666, 1724..1756		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o2.tm	Method	TBLASTX:Maize
Start	1426	End	1852
GI	none	Score	569
Exons	1426..1848, 1427..1852		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o2.gp	Method	AAT/GAP
Start	1499	End	1854
GI	uC-osflcyp139c12a1	Score	589
Exons	1499..1854		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o3.tw	Method	TBLASTX:Wheat
Start	1504	End	2055
GI	none	Score	42
Exons	1504..1584, 1517..1588, 1591..1857, 1691..1840, 1915..2055		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o3.ts	Method	TBLASTX:Soybean
Start	1915	End	2190
GI	none	Score	47
Exons	1915..2190, 1924..2022, 2000..2095, 2014..2094		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o2.tw	Method	TBLASTX:Wheat
Start	2128	End	2581
GI	none	Score	53
Exons	2128..2220, 2128..2208, 2188..2577, 2215..2580, 2276..2581		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o5.tm	Method	TBLASTX:Maize
Start	2251	End	2491
GI	none	Score	262
Exons	2251..2490, 2252..2491		

Seq. No.	50220	Seq. ID	OJ000228_09.0420.C36
Gene No.	106688	Strand	-
Start	1	End	3236
Name	OJ000228_09.0420.C36.o1.tm	Method	TBLASTX:Maize
Start	2506	End	3226
GI	none	Score	417
Exons	2506..2931, 2506..2871, 2607..2930, 2936..2968, 2938..3033, 2950..3225, 2951..3226		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106689	Strand	+
Start	1105	End	1789
Name	OJ000228_09.0420.C37.o1.gp	Method	AAT/GAP
Start	1105	End	1789
GI	86158_1.R1084	Score	388
Exons	1105..1232, 1257..1419, 1759..1789		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106690	Strand	-
Start	1	End	891
Name	OJ000228_09.0420.C37.o1.np	Method	AAT/NAP
Start	1	End	891

GI	5295971	Score	1430
Exons	1..891		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106691	Strand	-
Start	1361	End	1807
Name	OJ000228_09.0420.C37.o2.gp	Method	AAT/GAP
Start	1361	End	1807
GI	none	Score	823
Exons	1361..1807		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106692	Strand	-
Start	3416	End	3928
Name	OJ000228_09.0420.C37.o1.tm	Method	TBLASTX:Maize
Start	207	End	499
GI	none	Score	215
Exons	207..269, 208..429, 208..498, 284..499		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106692	Strand	-
Start	3416	End	3928
Name	OJ000228_09.0420.C37.o2.ts	Method	TBLASTX:Soybean
Start	2312	End	3370
GI	none	Score	100
Exons	2312..2374, 2408..2611, 2603..2713, 3017..3058, 3077..3160, 3146..3370, 3147..3317		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106692	Strand	-
Start	3416	End	3928
Name	OJ000228_09.0420.C37.o2.tm	Method	TBLASTX:Maize
Start	3023	End	3479
GI	none	Score	137
Exons	3023..3475, 3102..3479		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106692	Strand	-
Start	3416	End	3928
Name	OJ000228_09.0420.C37.o1.ts	Method	TBLASTX:Soybean
Start	3398	End	3928
GI	none	Score	49
Exons	3398..3475, 3405..3464, 3491..3760, 3561..3719, 3782..3862, 3869..3928		

Seq. No.	50221	Seq. ID	OJ000228_09.0420.C37
Gene No.	106692	Strand	-
Start	3416	End	3928
Name	OJ000228_09.0420.C37.o2.np	Method	AAT/NAP
Start	3416	End	3925
GI	7489515	Score	871
Exons	3416..3925		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792250|gb|AAB97000.1| (AF032703) NBS-LRR type resistance		

protein [Oryza sativa]

Seq. No.	50222	Seq. ID	OJ000228_09.0420.C38
Gene No.	106693	Strand	-
Start	117	End	1036
Name	OJ000228_09.0420.C38.o1.gs	Method	GENSCAN
Start	117	End	1036
GI	none	Score	1
Exons	117..212, 842..1036		

Seq. No.	50223	Seq. ID	OJ000228_09.0420.C39
Gene No.	106694	Strand	-
Start	339	End	784
Name	OJ000228_09.0420.C39.o1.gs	Method	GENSCAN
Start	339	End	784
GI	none	Score	.98
Exons	339..422, 599..784		

Seq. No.	50223	Seq. ID	OJ000228_09.0420.C39
Gene No.	106695	Strand	-
Start	1288	End	1710
Name	OJ000228_09.0420.C39.o2.gs	Method	GENSCAN
Start	1288	End	1710
GI	none	Score	.96
Exons	1288..1710		

Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o1.np	Method	AAT/NAP
Start	1	End	1817
GI	806299	Score	1285
Exons	1..360, 454..1817		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o1.gs	Method	GENSCAN
Start	36	End	1788
GI	none	Score	.55
Exons	36..130, 203..360, 454..1234, 1374..1788		

Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o1.tm	Method	TBLASTX:Maize
Start	449	End	896
GI	none	Score	59
Exons	449..520, 452..529, 453..572, 453..896, 454..837		

Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o2.tw	Method	TBLASTX:Wheat
Start	453	End	791
GI	none	Score	66

Exons	453..791, 454..576		
Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o1.ts	Method	TBLASTX:Soybean
Start	458	End	854
GI	none	Score	103
Exons	458..610, 459..623, 462..674, 729..848	484..651, 654..854, 725..775,	
Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o3.tm	Method	TBLASTX:Maize
Start	904	End	1127
GI	none	Score	101
Exons	904..1116, 924..1127		
Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o2.tm	Method	TBLASTX:Maize
Start	1366	End	1738
GI	none	Score	120
Exons	1366..1734, 1372..1737, 1373..1738		
Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o1.tw	Method	TBLASTX:Wheat
Start	1492	End	1791
GI	none	Score	115
Exons	1492..1791, 1493..1786		
Seq. No.	50224	Seq. ID	OJ000228_09.0420.C40
Gene No.	106696	Strand	-
Start	1	End	1817
Name	OJ000228_09.0420.C40.o1.tc	Method	TBLASTX:Cress
Start	1579	End	1792
GI	none	Score	59
Exons	1579..1791, 1579..1791, 1580..1792		
Seq. No.	50225	Seq. ID	OJ000228_09.0420.C41
Gene No.	106697	Strand	-
Start	1	End	1481
Name	OJ000228_09.0420.C41.o1.np	Method	AAT/NAP
Start	1	End	519
GI	322871	Score	148
Exons	1..519		
GI Descrip.	hypothetical protein 1 - maize transposon En-1 gi|225005|prf||1206239A ORF 1 [Zea mays]		
Seq. No.	50225	Seq. ID	OJ000228_09.0420.C41
Gene No.	106697	Strand	-
Start	1	End	1481
Name	OJ000228_09.0420.C41.o1.gs	Method	GENSCAN

Start	64	End	1481
GI	none	Score	.53
Exons	64..316, 753..901, 1194..1481		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106698	Strand	+
Start	131	End	3652
Name	OJ000228_09.0420.C42.o1.gs	Method	GENSCAN
Start	131	End	3503
GI	none	Score	.43
Exons	131..995, 1067..1338, 1510..1656, 1661..1920, 2130..2292, 2430..2587, 2756..3503		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106698	Strand	+
Start	131	End	3652
Name	OJ000228_09.0420.C42.o1.np	Method	AAT/NAP
Start	392	End	3652
GI	4416302	Score	3869
Exons	392..1905, 1966..3652		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o4.tm	Method	TBLASTX:Maize
Start	584	End	979
GI	none	Score	138
Exons	584..703, 586..699, 700..978, 701..979		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o2.tw	Method	TBLASTX:Wheat
Start	743	End	1314
GI	none	Score	264
Exons	743..991, 745..972, 1003..1029, 1004..1027, 1031..1057, 1069..1314, 1129..1311		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o2.tm	Method	TBLASTX:Maize
Start	979	End	1671
GI	none	Score	108
Exons	979..1053, 980..1051, 1063..1641, 1087..1671, 1130..1666		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o3.ts	Method	TBLASTX:Soybean
Start	1159	End	1620
GI	none	Score	243
Exons	1159..1470, 1519..1620		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+

Start	5082	End	6172
Name	OJ000228_09.0420.C42.o4.tw	Method	TBLASTX:Wheat
Start	1402	End	1641
GI	none	Score	105
Exons	1402..1473, 1485..1628, 1492..1641, 1516..1641		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o5.tm	Method	TBLASTX:Maize
Start	1951	End	2280
GI	none	Score	436
Exons	1951..2280, 1987..2277, 2055..2279		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o1.ts	Method	TBLASTX:Soybean
Start	2014	End	2620
GI	5509260	Score	240
Exons	2014..2232, 2014..2244, 2238..2411, 2238..2402, 2239..2439, 2424..2618, 2435..2620, 2438..2620		
GI Descrip.	-		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o1.tw	Method	TBLASTX:Wheat
Start	2139	End	2606
GI	none	Score	95
Exons	2139..2231, 2155..2232, 2258..2275, 2260..2439, 2262..2390, 2435..2590, 2438..2593, 2439..2606		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o3.tm	Method	TBLASTX:Maize
Start	2281	End	2748
GI	none	Score	222
Exons	2281..2439, 2283..2465, 2382..2459, 2424..2747, 2438..2746, 2443..2748		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o6.tm	Method	TBLASTX:Maize
Start	2769	End	2972
GI	none	Score	242
Exons	2769..2972, 2789..2971		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o3.tw	Method	TBLASTX:Wheat
Start	2790	End	3206
GI	none	Score	87
Exons	2790..2954, 2970..3206		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o1.tm	Method	TBLASTX:Maize
Start	2973	End	3664
GI	none	Score	799
Exons	2973..3497, 2980..3297, 2981..3505, 3200..3505, 3493..3642, 3496..3585, 3497..3646, 3497..3664		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o2.ts	Method	TBLASTX:Soybean
Start	2991	End	3541
GI	none	Score	294
Exons	2991..3389, 3200..3379, 3399..3524, 3449..3541		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o1.tc	Method	TBLASTX:Cress
Start	3171	End	3631
GI	none	Score	71
Exons	3171..3260, 3264..3398, 3417..3515, 3497..3631		

Seq. No.	50226	Seq. ID	OJ000228_09.0420.C42
Gene No.	106699	Strand	+
Start	5082	End	6172
Name	OJ000228_09.0420.C42.o2.gs	Method	GENSCAN
Start	5082	End	6172
GI	none	Score	.41
Exons	5082..5498, 5538..5714, 5942..6172		

Seq. No.	50227	Seq. ID	OJ000208_06.0424.C1
Gene No.	106700	Strand	+
Start	1	End	3528
Name	OJ000208_06.0424.C1.o1.np	Method	AAT/NAP
Start	1	End	409
GI	3342253	Score	282
Exons	1..21, 98..409		
GI Descrip.	(AF047721) GA3 [Arabidopsis thaliana]		

Seq. No.	50227	Seq. ID	OJ000208_06.0424.C1
Gene No.	106700	Strand	+
Start	1	End	3528
Name	OJ000208_06.0424.C1.o1.gs	Method	GENSCAN
Start	83	End	3528
GI	none	Score	.47
Exons	83..309, 1352..1414, 1543..1861, 2039..2203, 2215..2493, 2674..2892, 3357..3528		

Seq. No.	50227	Seq. ID	OJ000208_06.0424.C1
Gene No.	106700	Strand	+
Start	1	End	3528
Name	OJ000208_06.0424.C1.o1.tc	Method	TBLASTX:Cress
Start	95	End	382

GI	none	Score	116
Exons	95..175, 158..382		

Seq. No.	50227	Seq. ID	OJ000208_06.0424.C1
Gene No.	106700	Strand	+
Start	1	End	3528
Name	OJ000208_06.0424.C1.o1.tm	Method	TBLASTX:Maize
Start	95	End	445
GI	none	Score	134
Exons	95..193, 109..201, 182..445, 191..319		

Seq. No.	50227	Seq. ID	OJ000208_06.0424.C1
Gene No.	106700	Strand	+
Start	1	End	3528
Name	OJ000208_06.0424.C1.o1.ts	Method	TBLASTX:Soybean
Start	110	End	403
GI	none	Score	212
Exons	110..403, 112..297		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o1.np	Method	AAT/NAP
Start	1	End	2171
GI	6466937	Score	1612
Exons	1..2171		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o1.tw	Method	TBLASTX:Wheat
Start	193	End	675
GI	none	Score	397
Exons	193..675, 211..510, 231..554		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o2.ts	Method	TBLASTX:Soybean
Start	202	End	543
GI	none	Score	223
Exons	202..543, 219..542		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o2.tm	Method	TBLASTX:Maize
Start	253	End	729
GI	none	Score	491
Exons	253..729, 258..674, 259..726		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o1.ts	Method	TBLASTX:Soybean

Start	652	End	1010
GI	none	Score	104
Exons	652..819, 804..1010, 812..1009		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o1.tm	Method	TBLASTX:Maize
Start	775	End	1281
GI	none	Score	42
Exons	775..819, 813..1280, 833..1273, 1132..1281		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o2.tw	Method	TBLASTX:Wheat
Start	785	End	1124
GI	none	Score	283
Exons	785..1018, 789..1124		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o3.ts	Method	TBLASTX:Soybean
Start	1035	End	1277
GI	none	Score	189
Exons	1035..1277		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o1.gp	Method	AAT/GAP
Start	1052	End	1551
GI	30185_1.R1084	Score	921
Exons	1052..1551		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-25 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o4.tm	Method	TBLASTX:Maize
Start	1283	End	1634
GI	none	Score	170
Exons	1283..1477, 1284..1487, 1467..1622, 1566..1634		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o3.tw	Method	TBLASTX:Wheat
Start	1452	End	1855
GI	none	Score	273
Exons	1452..1853, 1512..1763, 1517..1855		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171

Name	OJ000208_06.0424.C2.o3.tm	Method	TBLASTX:Maize
Start	1686	End	2169
GI	none	Score	224
Exons	1686..1907, 1688..1906, 1943..1990, 2070..2168, 2071..2169		

Seq. No.	50228	Seq. ID	OJ000208_06.0424.C2
Gene No.	106701	Strand	+
Start	1	End	2171
Name	OJ000208_06.0424.C2.o4.ts	Method	TBLASTX:Soybean
Start	1716	End	1990
GI	none	Score	173
Exons	1716..1913, 1739..1948, 1943..1990		

Seq. No.	50229	Seq. ID	OJ000208_06.0424.C3
Gene No.	106702	Strand	+
Start	1	End	1607
Name	OJ000208_06.0424.C3.o1.np	Method	AAT/NAP
Start	1	End	1607
GI	3342249	Score	649
Exons	1..77, 178..318, 473..727, 818..980, 1327..1607		
GI Descrip.	(AF047719) GA3 [Arabidopsis thaliana] gi|3342251|gb|AAC39506.1| (AF047720) GA3 [Arabidopsis thaliana] gi|5107824|gb|AAD40137.1|AF149413_18 (AF149413) Arabidopsis thaliana cytochrome P450 GA3 (GB:AF047720); Pfam PF00067, Score=248.8, E=7.7e-71, N=1		

Seq. No.	50229	Seq. ID	OJ000208_06.0424.C3
Gene No.	106702	Strand	+
Start	1	End	1607
Name	OJ000208_06.0424.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	1596
GI	none	Score	71
Exons	2..76, 6..77, 175..318, 195..296, 470..697, 475..693, 485..700, 864..986, 870..968, 1324..1596, 1324..1554		

Seq. No.	50229	Seq. ID	OJ000208_06.0424.C3
Gene No.	106702	Strand	+
Start	1	End	1607
Name	OJ000208_06.0424.C3.o1.tm	Method	TBLASTX:Maize
Start	23	End	751
GI	none	Score	158
Exons	23..64, 151..321, 175..318, 468..644, 468..644, 470..751, 470..727		

Seq. No.	50229	Seq. ID	OJ000208_06.0424.C3
Gene No.	106702	Strand	+
Start	1	End	1607
Name	OJ000208_06.0424.C3.o1.gs	Method	GENSCAN
Start	30	End	1560
GI	none	Score	.94
Exons	30..77, 473..727, 813..929, 1264..1560		

Seq. No.	50229	Seq. ID	OJ000208_06.0424.C3
Gene No.	106702	Strand	+
Start	1	End	1607
Name	OJ000208_06.0424.C3.o2.tm	Method	TBLASTX:Maize
Start	861	End	1596

GI	none	Score	67
Exons	861..971, 1368..1463, 1369..1536, 1372..1596		

Seq. No.	50229	Seq. ID	OJ000208_06.0424.C3
Gene No.	106702	Strand	+
Start	1	End	1607
Name	OJ000208_06.0424.C3.o1.ts	Method	TBLASTX:Soybean
Start	1372	End	1596
GI	none	Score	198
Exons	1372..1596		

Seq. No.	50230	Seq. ID	OJ000208_06.0424.C4
Gene No.	106703	Strand	+
Start	1514	End	1635
Name	OJ000208_06.0424.C4.o1.tm	Method	TBLASTX:Maize
Start	418	End	1388
GI	none	Score	66
Exons	418..531, 429..527, 435..527, 451..534, 452..529, 453..527, 454..531, 568..675, 568..675, 569..664, 573..680, 576..680, 580..675, 593..664, 596..661, 603..677, 739..876, 741..881, 741..875, 741..881, 747..848, 748..843, 748..879, 748..885, 828..920, 882..974, 887..1066, 893..973, 903..1064, 912..1061, 917..1075, 921..1076, 926..1069, 957..1055, 959..1066, 961..1065, 1040..1195, 1097..1201, 1109..1186, 1110..1244, 1111..1230, 1113..1244, 1117..1194, 1118..1198, 1120..1212, 1231..1356, 1234..1353, 1264..1302, 1267..1359, 1272..1388, 1275..1373, 1279..1350		

Seq. No.	50230	Seq. ID	OJ000208_06.0424.C4
Gene No.	106703	Strand	+
Start	1514	End	1635
Name	OJ000208_06.0424.C4.o1.gs	Method	GENSCAN
Start	1514	End	1635
GI	none	Score	.63
Exons	1514..1635		

Seq. No.	50231	Seq. ID	OJ000208_06.0424.C12
Gene No.	106704	Strand	-
Start	307	End	1242
Name	OJ000208_06.0424.C12.o1.gs	Method	GENSCAN
Start	307	End	1196
GI	none	Score	.58
Exons	307..825, 942..1196		

Seq. No.	50231	Seq. ID	OJ000208_06.0424.C12
Gene No.	106704	Strand	-
Start	307	End	1242
Name	OJ000208_06.0424.C12.o1.tc	Method	TBLASTX:Cress
Start	365	End	1199
GI	none	Score	134
Exons	365..571, 367..576, 661..786, 687..725, 689..796, 966..1199, 976..1194		

Seq. No.	50231	Seq. ID	OJ000208_06.0424.C12
Gene No.	106704	Strand	-
Start	307	End	1242
Name	OJ000208_06.0424.C12.o1.np	Method	AAT/NAP

Start	366	End	1242
GI	3342253	Score	519
Exons	366..567, 667..825, 942..1242		
GI Descrip.	(AF047721) GA3 [Arabidopsis thaliana]		

Seq. No.	50231	Seq. ID	OJ000208_06.0424.C12
Gene No.	106704	Strand	-
Start	307	End	1242
Name	OJ000208_06.0424.C12.o2.tm	Method	TBLASTX:Maize
Start	431	End	570
GI	none	Score	116
Exons	431..553, 433..570		

Seq. No.	50231	Seq. ID	OJ000208_06.0424.C12
Gene No.	106704	Strand	-
Start	307	End	1242
Name	OJ000208_06.0424.C12.o1.ts	Method	TBLASTX:Soybean
Start	478	End	1175
GI	none	Score	58
Exons	478..567, 479..568, 661..783, 933..1109, 933..1175, 1027..1170		

Seq. No.	50231	Seq. ID	OJ000208_06.0424.C12
Gene No.	106704	Strand	-
Start	307	End	1242
Name	OJ000208_06.0424.C12.o1.tm	Method	TBLASTX:Maize
Start	775	End	1203
GI	none	Score	195
Exons	775..828, 933..1139, 936..1202, 937..1203		

Seq. No.	50232	Seq. ID	OJ000208_06.0424.C16
Gene No.	106705	Strand	+
Start	592	End	1197
Name	OJ000208_06.0424.C16.o1.np	Method	AAT/NAP
Start	592	End	1197
GI	3342249	Score	328
Exons	592..887, 1000..1197		
GI Descrip.	(AF047719) GA3 [Arabidopsis thaliana] gi|3342251|gb|AAC39506.1| (AF047720) GA3 [Arabidopsis thaliana] gi|5107824|gb|AAD40137.1|AF149413_18 (AF149413) Arabidopsis thaliana cytochrome P450 GA3 (GB:AF047720); Pfam PF00067, Score=248.8, E=7.7e-71, N=1		

Seq. No.	50232	Seq. ID	OJ000208_06.0424.C16
Gene No.	106705	Strand	+
Start	592	End	1197
Name	OJ000208_06.0424.C16.o1.tm	Method	TBLASTX:Maize
Start	724	End	1043
GI	none	Score	94
Exons	724..828, 725..886, 726..887, 997..1041, 999..1043		

Seq. No.	50232	Seq. ID	OJ000208_06.0424.C16
Gene No.	106705	Strand	+
Start	592	End	1197
Name	OJ000208_06.0424.C16.o1.gs	Method	GENSCAN
Start	727	End	1161
GI	none	Score	.99
Exons	727..887, 1000..1161		

Seq. No.	50232	Seq. ID	OJ000208_06.0424.C16
Gene No.	106705	Strand	+
Start	592	End	1197
Name	OJ000208_06.0424.C16.o1.tc	Method	TBLASTX:Cress
Start	728	End	1164
GI	none	Score	226
Exons	728..892, 729..887, 757..903, 758..907, 997..1161, 999..1160, 1054..1164		

Seq. No.	50233	Seq. ID	OJ000208_06.0424.C18
Gene No.	106706	Strand	+
Start	4	End	210
Name	OJ000208_06.0424.C18.o1.gs	Method	GENSCAN
Start	4	End	210
GI	none	Score	.96
Exons	4..210		

Seq. No.	50233	Seq. ID	OJ000208_06.0424.C18
Gene No.	106707	Strand	-
Start	1149	End	1739
Name	OJ000208_06.0424.C18.o2.gs	Method	GENSCAN
Start	1149	End	1739
GI	none	Score	.5
Exons	1149..1313, 1497..1739		

Seq. No.	50234	Seq. ID	OJ000208_06.0424.C19
Gene No.	106708	Strand	+
Start	450	End	1137
Name	OJ000208_06.0424.C19.o1.gs	Method	GENSCAN
Start	450	End	1137
GI	none	Score	.79
Exons	450..455, 615..650, 1006..1137		

Seq. No.	50235	Seq. ID	OJ000208_06.0424.C20
Gene No.	106709	Strand	+
Start	816	End	1029
Name	OJ000208_06.0424.C20.o1.gs	Method	GENSCAN
Start	816	End	1029
GI	none	Score	.98
Exons	816..1029		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o1.np	Method	AAT/NAP
Start	2862	End	7194
GI	7444451	Score	4415
Exons	2862..7194		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o3.tm	Method	TBLASTX:Maize

Start	2958	End	3386
GI	none	Score	60
Exons	2958..3032, 3080..3385, 3081..3386, 3258..3386		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o5.tw	Method	TBLASTX:Wheat
Start	3207	End	3515
GI	none	Score	236
Exons	3207..3515, 3273..3512		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o2.tw	Method	TBLASTX:Wheat
Start	3747	End	4117
GI	none	Score	428
Exons	3747..4112, 3779..4117		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o6.tm	Method	TBLASTX:Maize
Start	3822	End	4112
GI	none	Score	263
Exons	3822..4112, 3827..4111		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o4.ts	Method	TBLASTX:Soybean
Start	4182	End	4595
GI	none	Score	70
Exons	4182..4277, 4293..4403, 4425..4595		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o1.tc	Method	TBLASTX:Cress
Start	4590	End	5054
GI	none	Score	332
Exons	4590..5054, 4602..4949		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o3.ts	Method	TBLASTX:Soybean
Start	4602	End	5033
GI	none	Score	254
Exons	4602..5033		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o4.tw	Method	TBLASTX:Wheat
Start	4694	End	5063

GI	none	Score	277
Exons	4694..4888, 4695..5063, 4910..5050		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o5.tm	Method	TBLASTX:Maize
Start	4709	End	5036
GI	none	Score	266
Exons	4709..4789, 4710..5036, 4841..4984		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o2.ts	Method	TBLASTX:Soybean
Start	5649	End	6167
GI	5509260	Score	393
Exons	5649..6167, 5801..6154		
GI Descrip.	-		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o7.tm	Method	TBLASTX:Maize
Start	5712	End	5963
GI	none	Score	219
Exons	5712..5963, 5714..5962		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o2.tc	Method	TBLASTX:Cress
Start	5790	End	6050
GI	none	Score	293
Exons	5790..6050, 5795..6049		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o3.tw	Method	TBLASTX:Wheat
Start	5831	End	6338
GI	none	Score	298
Exons	5831..5929, 5832..6176, 5990..6175, 5991..6176, 6168..6338		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o1.tm	Method	TBLASTX:Maize
Start	5964	End	6398
GI	none	Score	379
Exons	5964..6398, 5987..6139, 6170..6274		
Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o4.tc	Method	TBLASTX:Cress
Start	6219	End	6479

GI	none	Score	184
Exons	6219..6479		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o1.tw	Method	TBLASTX:Wheat
Start	6345	End	6783
GI	none	Score	446
Exons	6345..6782, 6359..6781, 6736..6783		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o4.tm	Method	TBLASTX:Maize
Start	6479	End	6710
GI	none	Score	300
Exons	6479..6673, 6480..6710		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o3.tc	Method	TBLASTX:Cress
Start	6525	End	7170
GI	none	Score	130
Exons	6525..6704, 6720..6809, 6895..6948, 6976..7170		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o1.ts	Method	TBLASTX:Soybean
Start	6546	End	7145
GI	none	Score	315
Exons	6546..6890, 6548..6676, 6743..6877, 6868..7143, 6891..7145		

Seq. No.	50236	Seq. ID	OJ000208_06.0424.C22
Gene No.	106710	Strand	+
Start	2862	End	7194
Name	OJ000208_06.0424.C22.o2.tm	Method	TBLASTX:Maize
Start	6713	End	7136
GI	none	Score	140
Exons	6713..6847, 6714..6842, 6892..7128, 6942..7136, 6968..7129		

Seq. No.	50237	Seq. ID	OJ000208_06.0424.C23
Gene No.	106711	Strand	+
Start	1	End	1745
Name	OJ000208_06.0424.C23.o1.np	Method	AAT/NAP
Start	1	End	1745
GI	3868857	Score	76
Exons	1..40, 1554..1745		
GI Descrip.	(AB013886) RAV1 [Arabidopsis thaliana]		

Seq. No.	50238	Seq. ID	OJ000208_06.0424.C24
Gene No.	106712	Strand	+
Start	233	End	277
Name	OJ000208_06.0424.C24.o1.gs	Method	GENSCAN
Start	233	End	277

GI	none	Score	.54
Exons	233..277		

Seq. No.	50239	Seq. ID	OJ000208_06.0424.C25
Gene No.	106713	Strand	+
Start	1	End	1411
Name	OJ000208_06.0424.C25.o1.np	Method	AAT/NAP
Start	1	End	1411
GI	6721512	Score	221
Exons	1..256, 284..425, 467..503, 616..709, 1366..1411		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	50239	Seq. ID	OJ000208_06.0424.C25
Gene No.	106713	Strand	+
Start	1	End	1411
Name	OJ000208_06.0424.C25.o2.np	Method	AAT/NAP
Start	1082	End	1411
GI	5902448	Score	155
Exons	1082..1411		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	50239	Seq. ID	OJ000208_06.0424.C25
Gene No.	106714	Strand	-
Start	798	End	974
Name	OJ000208_06.0424.C25.o1.gs	Method	GENSCAN
Start	798	End	974
GI	none	Score	.53
Exons	798..974		

Seq. No.	50240	Seq. ID	OJ000208_06.0424.C26
Gene No.	106715	Strand	+
Start	1	End	1713
Name	OJ000208_06.0424.C26.o1.np	Method	AAT/NAP
Start	1	End	832
GI	6721561	Score	431
Exons	1..832		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50240	Seq. ID	OJ000208_06.0424.C26
Gene No.	106715	Strand	+
Start	1	End	1713
Name	OJ000208_06.0424.C26.o1.gs	Method	GENSCAN
Start	73	End	1713
GI	none	Score	.55
Exons	73..492, 956..1095, 1215..1396, 1483..1713		

Seq. No.	50240	Seq. ID	OJ000208_06.0424.C26
Gene No.	106716	Strand	-
Start	2344	End	3183
Name	OJ000208_06.0424.C26.o2.np	Method	AAT/NAP
Start	2314	End	3183
GI	7228457	Score	270
Exons	2314..2711, 3152..3183		

GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	50240	Seq. ID	OJ000208_06.0424.C26
Gene No.	106716	Strand	-
Start	2344	End	3183
Name	OJ000208_06.0424.C26.o2.gs	Method	GENSCAN
Start	2344	End	2688
GI	none	Score	.54
Exons	2344..2688		
Seq. No.	50241	Seq. ID	OJ000208_06.0424.C31
Gene No.	106717	Strand	+
Start	261	End	1722
Name	OJ000208_06.0424.C31.o1.gp	Method	AAT/GAP
Start	261	End	1722
GI	26731_1.R1084	Score	416
Exons	261..370, 858..941, 1596..1655, 1688..1722		
GI Descrip.	'5823572/emb|CAB53754.1| 2.0e-15 (AL049730) putative protein [Arabidopsis thaliana]'		
Seq. No.	50241	Seq. ID	OJ000208_06.0424.C31
Gene No.	106717	Strand	+
Start	261	End	1722
Name	OJ000208_06.0424.C31.o1.gs	Method	GENSCAN
Start	881	End	1651
GI	none	Score	.94
Exons	881..941, 1596..1651		
Seq. No.	50241	Seq. ID	OJ000208_06.0424.C31
Gene No.	106717	Strand	+
Start	261	End	1722
Name	OJ000208_06.0424.C31.o1.np	Method	AAT/NAP
Start	881	End	1722
GI	2493131	Score	113
Exons	881..941, 1596..1722		
GI Descrip.	VACUOLAR ATP SYNTHASE SUBUNIT B ISOFORM 1 (V-ATPASE B SUBUNIT) gi|167108|gb|AAA81330.1| (L11862) vacuolar ATPase B subunit [Hordeum vulgare]		
Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106718	Strand	+
Start	1	End	1373
Name	OJ000208_06.0424.C32.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	2493131	Score	513
Exons	1..21, 297..424, 605..742, 1277..1373		
GI Descrip.	VACUOLAR ATP SYNTHASE SUBUNIT B ISOFORM 1 (V-ATPASE B SUBUNIT) gi|167108|gb|AAA81330.1| (L11862) vacuolar ATPase B subunit [Hordeum vulgare]		
Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106718	Strand	+
Start	1	End	1373
Name	OJ000208_06.0424.C32.o1.gs	Method	GENSCAN
Start	297	End	1304

GI	none	Score	.97
Exons	297..404, 605..742, 1277..1304		

Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106718	Strand	+
Start	1	End	1373
Name	OJ000208_06.0424.C32.o2.gp	Method	AAT/GAP
Start	582	End	1373
GI	17253_1.R1084	Score	436
Exons	582..742, 1277..1373		
GI Descrip.	'2493132/sp|Q40079|VAT2_HORVU 1.0e-144 VACUOLAR ATP SYNTHASE SUBUNIT B ISOFORM 2 (V-ATPASE B SUBUNIT) >gi_167110 (L11873) vacuolar ATPase B subunit [Hordeum vulgare]'		

Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106719	Strand	-
Start	293	End	1372
Name	OJ000208_06.0424.C32.o1.tm	Method	TBLASTX:Maize
Start	282	End	1372
GI	none	Score	199
Exons	282..416, 294..416, 294..416, 296..445, 296..418, 400..426, 411..485, 603..743, 604..744, 605..745, 1276..1371, 1277..1372, 1283..1372		

Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106719	Strand	-
Start	293	End	1372
Name	OJ000208_06.0424.C32.o1.tc	Method	TBLASTX:Cress
Start	291	End	1372
GI	none	Score	182
Exons	291..416, 295..417, 295..414, 305..445, 485..508, 603..743, 604..744, 604..744, 605..745, 1264..1371, 1276..1371, 1277..1372		

Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106719	Strand	-
Start	293	End	1372
Name	OJ000208_06.0424.C32.o1.gp	Method	AAT/GAP
Start	293	End	386
GI	26731_1.R1084	Score	145
Exons	293..386		
GI Descrip.	'5823572/emb|CAB53754.1| 2.0e-15 (AL049730) putative protein [Arabidopsis thaliana]'		

Seq. No.	50242	Seq. ID	OJ000208_06.0424.C32
Gene No.	106719	Strand	-
Start	293	End	1372
Name	OJ000208_06.0424.C32.o1.ts	Method	TBLASTX:Soybean
Start	296	End	1372
GI	none	Score	198
Exons	296..424, 297..416, 304..417, 591..743, 603..743, 604..747, 605..745, 1264..1365, 1276..1371, 1277..1372		

Seq. No.	50243	Seq. ID	OJ000208_06.0424.C33
Gene No.	106720	Strand	+
Start	275	End	568
Name	OJ000208_06.0424.C33.o1.gs	Method	GENSCAN
Start	275	End	568

GI	none	Score	.59
Exons	275..469, 507..568		

Seq. No.	50244	Seq. ID	OJ000208_06.0424.C36
Gene No.	106721	Strand	-
Start	795	End	1131
Name	OJ000208_06.0424.C36.o1.gs	Method	GENSCAN
Start	795	End	1131
GI	none	Score	.93
Exons	795..805, 996..1131		

Seq. No.	50245	Seq. ID	OJ000208_06.0424.C37
Gene No.	106722	Strand	+
Start	976	End	1134
Name	OJ000208_06.0424.C37.o1.gs	Method	GENSCAN
Start	976	End	1134
GI	none	Score	.98
Exons	976..1134		

Seq. No.	50246	Seq. ID	OJ000208_06.0424.C45
Gene No.	106723	Strand	+
Start	179	End	562
Name	OJ000208_06.0424.C45.o1.gs	Method	GENSCAN
Start	179	End	562
GI	none	Score	.9
Exons	179..562		

Seq. No.	50247	Seq. ID	OJ000208_06.0424.C53
Gene No.	106724	Strand	-
Start	225	End	379
Name	OJ000208_06.0424.C53.o1.np	Method	AAT/NAP
Start	225	End	379
GI	6815099	Score	78
Exons	225..379		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	50247	Seq. ID	OJ000208_06.0424.C53
Gene No.	106724	Strand	-
Start	225	End	379
Name	OJ000208_06.0424.C53.o1.gs	Method	GENSCAN
Start	263	End	371
GI	none	Score	.91
Exons	263..371		

Seq. No.	50248	Seq. ID	OJ000208_06.0424.C56
Gene No.	106725	Strand	-
Start	130	End	829
Name	OJ000208_06.0424.C56.o1.tc	Method	TBLASTX:Cress
Start	118	End	826
GI	none	Score	83
Exons	118..354, 140..334, 355..645, 773..826	356..646, 412..654, 757..825,	

Seq. No.	50248	Seq. ID	OJ000208_06.0424.C56
Gene No.	106725	Strand	-
Start	130	End	829
Name	OJ000208_06.0424.C56.o1.tm	Method	TBLASTX:Maize

Start	121	End	523
GI	none	Score	92
Exons	121..273, 134..340, 135..212, 170..346, 181..351, 349..522, 365..523		

Seq. No.	50248	Seq. ID	OJ000208_06.0424.C56
Gene No.	106725	Strand	-
Start	130	End	829
Name	OJ000208_06.0424.C56.o1.gs	Method	GENSCAN
Start	130	End	639
GI	none	Score	1
Exons	130..639		

Seq. No.	50248	Seq. ID	OJ000208_06.0424.C56
Gene No.	106725	Strand	-
Start	130	End	829
Name	OJ000208_06.0424.C56.o1.np	Method	AAT/NAP
Start	133	End	829
GI	3342253	Score	504
Exons	133..645, 769..829		
GI Descrip.	(AF047721) GA3 [Arabidopsis thaliana]		

Seq. No.	50248	Seq. ID	OJ000208_06.0424.C56
Gene No.	106725	Strand	-
Start	130	End	829
Name	OJ000208_06.0424.C56.o1.ts	Method	TBLASTX:Soybean
Start	229	End	825
GI	none	Score	47
Exons	229..333, 242..331, 353..625, 355..645, 757..825		

Seq. No.	50249	Seq. ID	OJ000208_06.0424.C57
Gene No.	106726	Strand	-
Start	1	End	2396
Name	OJ000208_06.0424.C57.o1.np	Method	AAT/NAP
Start	1	End	2253
GI	3342249	Score	287
Exons	1..150, 355..495, 598..756, 2126..2253		
GI Descrip.	(AF047719) GA3 [Arabidopsis thaliana] gi|3342251|gb|AAC39506.1| (AF047720) GA3 [Arabidopsis thaliana] gi|5107824|gb|AAD40137.1|AF149413_18 (AF149413) Arabidopsis thaliana cytochrome P450 GA3 (GB:AF047720); Pfam PF00067, Score=248.8, E=7.7e-71, N=1		

Seq. No.	50249	Seq. ID	OJ000208_06.0424.C57
Gene No.	106726	Strand	-
Start	1	End	2396
Name	OJ000208_06.0424.C57.o1.tm	Method	TBLASTX:Maize
Start	1	End	531
GI	none	Score	105
Exons	1..153, 3..155, 4..153, 5..175, 352..531, 355..498		

Seq. No.	50249	Seq. ID	OJ000208_06.0424.C57
Gene No.	106726	Strand	-
Start	1	End	2396
Name	OJ000208_06.0424.C57.o1.gs	Method	GENSCAN
Start	355	End	2396
GI	none	Score	.73

Exons	355..495, 598..756, 1731..2396		
Seq. No.	50250	Seq. ID	OJ000208_06.0424.C58
Gene No.	106727	Strand	+
Start	1	End	872
Name	OJ000208_06.0424.C58.o1.np	Method	AAT/NAP
Start	1	End	872
GI	6539553	Score	1105
Exons	1..872		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	50250	Seq. ID	OJ000208_06.0424.C58
Gene No.	106727	Strand	+
Start	1	End	872
Name	OJ000208_06.0424.C58.o1.ts	Method	TBLASTX:Soybean
Start	89	End	433
GI	none	Score	104
Exons	89..169, 90..179, 164..433, 175..432		
Seq. No.	50250	Seq. ID	OJ000208_06.0424.C58
Gene No.	106727	Strand	+
Start	1	End	872
Name	OJ000208_06.0424.C58.o1.tm	Method	TBLASTX:Maize
Start	244	End	582
GI	none	Score	259
Exons	244..582, 245..571		
Seq. No.	50250	Seq. ID	OJ000208_06.0424.C58
Gene No.	106727	Strand	+
Start	1	End	872
Name	OJ000208_06.0424.C58.o1.tw	Method	TBLASTX:Wheat
Start	440	End	868
GI	none	Score	79
Exons	440..514, 441..512, 529..579, 529..591, 530..586, 582..698, 598..696, 695..718, 696..740, 765..860, 766..861, 767..859, 769..867, 770..868		
Seq. No.	50251	Seq. ID	OJ000208_06.0424.C67
Gene No.	106728	Strand	+
Start	778	End	834
Name	OJ000208_06.0424.C67.o1.gp	Method	AAT/GAP
Start	778	End	834
GI	4714984	Score	82
Exons	778..834		
GI Descrip.	5823572/emb|CAB53754.1| 2.0e-15 (AL049730) putative protein [Arabidopsis thaliana]		
Seq. No.	50252	Seq. ID	OJ000208_06.0424.C68
Gene No.	106729	Strand	+
Start	1296	End	1511
Name	OJ000208_06.0424.C68.o1.gp	Method	AAT/GAP
Start	1296	End	1511
GI	55573_1.R1084	Score	350
Exons	1296..1511		

GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	50252	Seq. ID	OJ000208_06.0424.C68
Gene No.	106730	Strand	-
Start	152	End	1565
Name	OJ000208_06.0424.C68.o1.np	Method	AAT/NAP
Start	152	End	954
GI	7510076	Score	77
Exons	152..225, 693..954		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		
Seq. No.	50252	Seq. ID	OJ000208_06.0424.C68
Gene No.	106730	Strand	-
Start	152	End	1565
Name	OJ000208_06.0424.C68.o1.gs	Method	GENSCAN
Start	671	End	1565
GI	none	Score	.82
Exons	671..682, 1475..1565		
Seq. No.	50253	Seq. ID	OJ000208_06.0424.C69
Gene No.	106731	Strand	+
Start	49	End	2660
Name	OJ000208_06.0424.C69.o1.gs	Method	GENSCAN
Start	49	End	2660
GI	none	Score	.47
Exons	49..348, 777..906, 1367..1567, 2252..2327, 2492..2660		
Seq. No.	50253	Seq. ID	OJ000208_06.0424.C69
Gene No.	106732	Strand	-
Start	1641	End	2082
Name	OJ000208_06.0424.C69.o1.np	Method	AAT/NAP
Start	1641	End	2082
GI	5042454	Score	266
Exons	1641..1694, 1910..2082		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009
Name	OJ000208_06.0424.C70.o1.gs	Method	GENSCAN
Start	1662	End	4181
GI	none	Score	.69
Exons	1662..1688, 1956..2198, 2559..2606, 3987..4181		
Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009
Name	OJ000208_06.0424.C70.o1.tm	Method	TBLASTX:Maize
Start	1851	End	4065
GI	none	Score	94
Exons	1851..2114, 1977..2105, 1999..2115, 2095..2199, 2103..2201, 3964..4065, 3984..4064		
Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009

Name	OJ000208_06.0424.C70.o1.np	Method	AAT/NAP
Start	1887	End	5009
GI	3342249	Score	609
Exons	1887..2198, 3987..4181, 4290..4448, 4959..5009		
GI Descrip.	(AF047719) GA3 [Arabidopsis thaliana] gi|3342251|gb|AAC39506.1| (AF047720) GA3 [Arabidopsis thaliana] gi|5107824|gb|AAD40137.1|AF149413_18 (AF149413) Arabidopsis thaliana cytochrome P450 GA3 (GB:AF047720); Pfam PF00067, Score=248.8, E=7.7e-71, N=1		

Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009
Name	OJ000208_06.0424.C70.o1.tc	Method	TBLASTX:Cress
Start	1893	End	4409
GI	none	Score	91
Exons	1893..2138, 1999..2145, 2121..2201, 2122..2199, 3964..4182, 3981..4184, 4284..4409, 4310..4348		

Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009
Name	OJ000208_06.0424.C70.o1.ts	Method	TBLASTX:Soybean
Start	1893	End	2186
GI	none	Score	107
Exons	1893..2186, 1999..2184		

Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009
Name	OJ000208_06.0424.C70.o2.ts	Method	TBLASTX:Soybean
Start	4092	End	4406
GI	none	Score	144
Exons	4092..4181, 4284..4406		

Seq. No.	50254	Seq. ID	OJ000208_06.0424.C70
Gene No.	106733	Strand	-
Start	1662	End	5009
Name	OJ000208_06.0424.C70.o1.tw	Method	TBLASTX:Wheat
Start	4630	End	4867
GI	none	Score	205
Exons	4630..4776, 4655..4867		

Seq. No.	50255	Seq. ID	OJ991120_34.0419.C1
Gene No.	106734	Strand	-
Start	1	End	318
Name	OJ991120_34.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	318
GI	7489803	Score	154
Exons	1..318		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	50255	Seq. ID	OJ991120_34.0419.C1
Gene No.	106735	Strand	-
Start	248	End	1310

Name	OJ991120_34.0419.C1.o1.gs	Method	GENSCAN
Start	248	End	1310
GI	none	Score	.41
Exons	248..315, 483..701, 767..1310		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106736	Strand	+
Start	299	End	5104
Name	OJ991120_34.0419.C2.o1.gs	Method	GENSCAN
Start	299	End	5104
GI	none	Score	.55
Exons	299..475, 875..1024, 1215..1682, 2139..2402, 2762..2931, 2985..3122, 3600..3705, 4994..5104		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106736	Strand	+
Start	299	End	5104
Name	OJ991120_34.0419.C2.o1.np	Method	AAT/NAP
Start	299	End	3711
GI	5922620	Score	554
Exons	299..496, 1801..1859, 1945..2206, 2682..2743, 3530..3711		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106737	Strand	+
Start	9458	End	11103
Name	OJ991120_34.0419.C2.o3.gs	Method	GENSCAN
Start	9458	End	11103
GI	none	Score	.48
Exons	9458..9532, 10468..11103		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106738	Strand	-
Start	3472	End	5453
Name	OJ991120_34.0419.C2.o2.np	Method	AAT/NAP
Start	3472	End	5453
GI	7523502	Score	146
Exons	3472..3548, 4912..5046, 5360..5453		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106739	Strand	-
Start	7580	End	8047
Name	OJ991120_34.0419.C2.o2.gs	Method	GENSCAN
Start	7580	End	8047
GI	none	Score	.86
Exons	7580..8047		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106740	Strand	-
Start	9141	End	11214
Name	OJ991120_34.0419.C2.o3.np	Method	AAT/NAP
Start	9141	End	11214

GI	6553884	Score	192
Exons	9141..9275, 9408..9638, 11156..11214		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106740	Strand	-
Start	9141	End	11214
Name	OJ991120_34.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	9417	End	9642
GI	none	Score	101
Exons	9417..9506, 9419..9502, 9421..9504, 9525..9563, 9525..9563, 9549..9614, 9557..9592, 9565..9642		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106740	Strand	-
Start	9141	End	11214
Name	OJ991120_34.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	10540	End	10902
GI	none	Score	137
Exons	10540..10683, 10560..10637, 10746..10811, 10747..10902		

Seq. No.	50256	Seq. ID	OJ991120_34.0419.C2
Gene No.	106740	Strand	-
Start	9141	End	11214
Name	OJ991120_34.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	10870	End	11073
GI	none	Score	48
Exons	10870..10908, 10924..11001, 10924..10986, 10926..11006, 10986..11072, 10987..11073		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106741	Strand	+
Start	1630	End	2171
Name	OJ991120_34.0419.C3.o1.gs	Method	GENSCAN
Start	1630	End	2171
GI	none	Score	.67
Exons	1630..1674, 1704..1847, 2094..2171		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106742	Strand	+
Start	2514	End	3174
Name	OJ991120_34.0419.C3.o1.gp	Method	AAT/GAP
Start	2514	End	3174
GI	42051_1.R1084	Score	1251
Exons	2514..3174		
GI Descrip.	'4522009/gb|AAD21782.1| 3.0e-14 (AC007069) unknown protein [Arabidopsis thaliana]'		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	2930	End	4421
GI	none	Score	105
Exons	2930..3022, 2934..3014, 3026..3235, 3026..3235, 3225..3272, 3340..3438, 3374..3445, 3375..3446, 3524..3595, 3535..3597, 3550..3597, 3863..3952, 3864..3950, 4079..4231, 4079..4234,		

4307..4390, 4309..4389, 4317..4421, 4332..4421

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o2.gs	Method	GENSCAN
Start	2930	End	4476
GI	none	Score	.73
Exons	2930..3280, 3375..3495, 3837..3949, 4079..4230, 4317..4476		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o1.np	Method	AAT/NAP
Start	2936	End	4623
GI	4522009	Score	730
Exons	2936..3280, 3375..3449, 3538..3609, 3862..3949, 4079..4230, 4317..4476, 4554..4623		
GI Descrip.	(AC007069) unknown protein [Arabidopsis thaliana]		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o2.tc	Method	TBLASTX:Cress
Start	2942	End	3597
GI	none	Score	71
Exons	2942..3076, 3059..3097, 3089..3160, 3188..3235, 3535..3597		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o2.ts	Method	TBLASTX:Soybean
Start	2945	End	3455
GI	none	Score	47
Exons	2945..2998, 2946..2996, 2984..3130, 3069..3131, 3179..3235, 3193..3279, 3387..3455		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	3387	End	4468
GI	none	Score	68
Exons	3387..3479, 3863..3949, 3884..3949, 4082..4231, 4082..4234, 4083..4235, 4261..4467, 4307..4444, 4316..4468		

Seq. No.	50257	Seq. ID	OJ991120_34.0419.C3
Gene No.	106743	Strand	-
Start	2930	End	4623
Name	OJ991120_34.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	4076	End	4479
GI	none	Score	57
Exons	4076..4216, 4076..4234, 4307..4444, 4315..4479		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190

Name	OJ991120_34.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	2190
GI	6409176	Score	1910
Exons	1..694, 1620..2190		
GI Descrip.	(AF140606) nitrate transporter [Oryza sativa]		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190
Name	OJ991120_34.0419.C4.o1.gp	Method	AAT/GAP
Start	110	End	2190
GI	934_1.R1084	Score	2222
Exons	110..694, 1620..2190		
GI Descrip.	'4102839 1.0e-173 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190
Name	OJ991120_34.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	110	End	2089
GI	none	Score	200
Exons	110..382, 112..696, 458..691, 1617..1793, 1631..2089, 1634..2011, 1839..2087		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190
Name	OJ991120_34.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	110	End	678
GI	none	Score	206
Exons	110..358, 112..357, 355..678, 356..631, 367..636		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190
Name	OJ991120_34.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	112	End	2086
GI	none	Score	60
Exons	112..249, 113..250, 1619..2086		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190
Name	OJ991120_34.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	253	End	696
GI	none	Score	228
Exons	253..696, 254..631, 543..695		

Seq. No.	50258	Seq. ID	OJ991120_34.0419.C4
Gene No.	106744	Strand	-
Start	1	End	2190
Name	OJ991120_34.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	1622	End	2099
GI	none	Score	164
Exons	1622..2098, 1635..2099		

Seq. No.	50259	Seq. ID	OJ991120_34.0419.C5

Gene No.	106745	Strand	+
Start	2061	End	5266
Name	OJ991120_34.0419.C5.o2.np	Method	AAT/NAP
Start	2061	End	5266
GI	7488074	Score	96
Exons	2061..2131, 3735..3937, 4046..4173, 5238..5266		
GI Descrip.	probable cellulase (EC 3.2.1.4) F2P3.1 - Arabidopsis thaliana gi|3600052|gb|AAC35539.1| (AF080120) contains similarity to glycosyl hydrolases family 9 (Pfam: glycosyl_hydro5.hmm, score: 88.03) [Arabidopsis thaliana] gi|4850284|emb|CAB43040.1| (AL049876) putative glucanase [Arabidopsis thaliana] gi|7267803|emb|CAB81206.1| (AL161518) putative glucanase [Arabidopsis thaliana]		

Seq. No.	50259	Seq. ID	OJ991120_34.0419.C5
Gene No.	106745	Strand	+
Start	2061	End	5266
Name	OJ991120_34.0419.C5.o3.np	Method	AAT/NAP
Start	3557	End	4642
GI	7339707	Score	72
Exons	3557..3820, 4055..4365, 4530..4642		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	50259	Seq. ID	OJ991120_34.0419.C5
Gene No.	106746	Strand	-
Start	1	End	4859
Name	OJ991120_34.0419.C5.o1.gp	Method	AAT/GAP
Start	1	End	2597
GI	934_1.R1084	Score	749
Exons	1..120, 335..431, 1058..1153, 2490..2597		
GI Descrip.	'4102839 1.0e-173 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	50259	Seq. ID	OJ991120_34.0419.C5
Gene No.	106746	Strand	-
Start	1	End	4859
Name	OJ991120_34.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	1117
GI	6409176	Score	406
Exons	1..120, 335..431, 1058..1117		
GI Descrip.	(AF140606) nitrate transporter [Oryza sativa]		

Seq. No.	50259	Seq. ID	OJ991120_34.0419.C5
Gene No.	106746	Strand	-
Start	1	End	4859
Name	OJ991120_34.0419.C5.o1.gs	Method	GENSCAN
Start	1146	End	4859
GI	none	Score	.62
Exons	1146..1153, 2490..2626, 2764..2787, 3253..3299, 3482..3701, 3794..3993, 4115..4355, 4575..4749, 4790..4859		

Seq. No.	50260	Seq. ID	OJ991120_34.0419.C6
Gene No.	106747	Strand	-
Start	248	End	688
Name	OJ991120_34.0419.C6.o1.gs	Method	GENSCAN
Start	248	End	688
GI	none	Score	.46
Exons	248..334, 407..688		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106748	Strand	+
Start	314	End	393
Name	OJ991120_34.0419.C7.o1.gs	Method	GENSCAN
Start	314	End	393
GI	none	Score	.59
Exons	314..393		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106749	Strand	+
Start	6729	End	16213
Name	OJ991120_34.0419.C7.o1.np	Method	AAT/NAP
Start	6729	End	9168
GI	2494174	Score	1953
Exons	6729..6814, 6927..7131, 7784..8223, 8310..8616, 8707..9168		
GI Descrip.	GLUTAMATE DECARBOXYLASE 1 (GAD 1) gi|497979 (U10034) glutamate decarboxylase [Arabidopsis thaliana]		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106749	Strand	+
Start	6729	End	16213
Name	OJ991120_34.0419.C7.o3.gs	Method	GENSCAN
Start	6729	End	9171
GI	none	Score	.99
Exons	6729..6814, 6927..7131, 7784..7984, 8054..8223, 8310..8616, 8707..9171		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106749	Strand	+
Start	6729	End	16213
Name	OJ991120_34.0419.C7.o3.np	Method	AAT/NAP
Start	8325	End	16213
GI	7106229	Score	172
Exons	8325..8452, 9882..10091, 10489..10593, 13881..14598, 16163..16213		
GI Descrip.	(AF218624) flagelliform silk protein [Nephila madagascariensis]		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106749	Strand	+
Start	6729	End	16213
Name	OJ991120_34.0419.C7.o2.np	Method	AAT/NAP
Start	9774	End	10261
GI	7263561	Score	278
Exons	9774..10261		
GI Descrip.	(AL161667) MYB transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106749	Strand	+
Start	6729	End	16213
Name	OJ991120_34.0419.C7.o4.gs	Method	GENSCAN
Start	9870	End	10597
GI	none	Score	.61
Exons	9870..9989, 10055..10348, 10379..10597		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7

Gene No.	106750	Strand	-
Start	2200	End	2727
Name	OJ991120_34.0419.C7.o2.gs	Method	GENSCAN
Start	2200	End	2727
GI	none	Score	.91
Exons	2200..2727		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106751	Strand	
Start	6726	End	9153
Name	OJ991120_34.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	6726	End	7130
GI	none	Score	95
Exons	6726..6746, 6744..6818, 6758..6814, 6924..7130, 6927..7130		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106751	Strand	
Start	6726	End	9153
Name	OJ991120_34.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	6728	End	9153
GI	none	Score	127
Exons	6728..6814, 6729..6818, 6924..7124, 6925..7131, 6933..7127, 7778..7993, 7783..7992, 8050..8229, 8051..8224, 8282..8389, 8310..8615, 8311..8616, 8688..9026, 8689..9027, 9085..9153, 9087..9149		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106751	Strand	
Start	6726	End	9153
Name	OJ991120_34.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	6740	End	9027
GI	none	Score	73
Exons	6740..6817, 6753..6818, 6925..7131, 6927..7130, 7778..7993, 7783..7992, 8051..8224, 8053..8154, 8173..8226, 8305..8514, 8309..8398, 8310..8621, 8311..8616, 8688..8999, 8689..9027, 8701..9027		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106751	Strand	
Start	6726	End	9153
Name	OJ991120_34.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	6753	End	9153
GI	none	Score	67
Exons	6753..6818, 6925..7131, 6933..7130, 7778..7993, 7783..7992, 8050..8229, 8051..8224, 8311..8616, 8311..8511, 8313..8615, 8685..9026, 8689..9027, 9088..9153		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106751	Strand	
Start	6726	End	9153
Name	OJ991120_34.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	8119	End	8561
GI	none	Score	107
Exons	8119..8229, 8120..8224, 8173..8226, 8282..8401, 8307..8426, 8308..8433, 8310..8561, 8311..8559		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7

Gene No.	106751	Strand	
Start	6726	End	9153
Name	OJ991120_34.0419.C7.o3.tw	Method	TBLASTX:Wheat
Start	8562	End	8933
GI	none	Score	78
Exons	8562..8621, 8563..8616, 8565..8612, 8571..8621, 8680..8931, 8688..8933, 8689..8931		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106752	Strand	
Start	9954	End	10270
Name	OJ991120_34.0419.C7.o2.tc	Method	TBLASTX:Cress
Start	9954	End	10249
GI	none	Score	62
Exons	9954..10010, 10022..10096, 10036..10068, 10112..10249, 10123..10230		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106752	Strand	
Start	9954	End	10270
Name	OJ991120_34.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	9954	End	10267
GI	none	Score	51
Exons	9954..10010, 10019..10096, 10108..10248, 10109..10267, 10112..10261		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106752	Strand	
Start	9954	End	10270
Name	OJ991120_34.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	9954	End	10270
GI	none	Score	52
Exons	9954..10004, 10012..10128, 10019..10099, 10093..10245, 10109..10270, 10136..10258		

Seq. No.	50261	Seq. ID	OJ991120_34.0419.C7
Gene No.	106753	Strand	
Start	15160	End	15353
Name	OJ991120_34.0419.C7.o3.tm	Method	TBLASTX:Maize
Start	15160	End	15353
GI	none	Score	230
Exons	15160..15291, 15161..15349, 15182..15349, 15201..15353		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	1996
GI	4522009	Score	463
Exons	1..43, 70..285, 697..942, 1684..1996		
GI Descrip.	(AC007069) unknown protein [Arabidopsis thaliana]		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o1.gp	Method	AAT/GAP
Start	70	End	796

GI	701122	Score	584
Exons	70..285, 697..796		
GI Descrip.	4522009/gb|AAD21782.1| 6.0e-28 (AC007069) unknown protein [Arabidopsis thaliana]		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	70	End	938
GI	none	Score	144
Exons	70..288, 92..268, 697..804, 702..812, 790..936, 830..937, 831..938		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o1.gs	Method	GENSCAN
Start	70	End	1908
GI	none	Score	.94
Exons	70..285, 697..954, 1705..1908		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	70	End	940
GI	none	Score	172
Exons	70..288, 83..274, 90..287, 91..288, 697..939, 815..940		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	1681	End	1913
GI	none	Score	263
Exons	1681..1908, 1707..1910, 1714..1905, 1764..1913		

Seq. No.	50262	Seq. ID	OJ991120_34.0419.C9
Gene No.	106754	Strand	-
Start	1	End	1996
Name	OJ991120_34.0419.C9.o2.ts	Method	TBLASTX:Soybean
Start	1723	End	1905
GI	none	Score	65
Exons	1723..1905, 1750..1905		

Seq. No.	50263	Seq. ID	OJ991120_34.0419.C10
Gene No.	106755	Strand	-
Start	96	End	665
Name	OJ991120_34.0419.C10.o1.gs	Method	GENSCAN
Start	96	End	665
GI	none	Score	.54
Exons	96..338, 608..665		

Seq. No.	50263	Seq. ID	OJ991120_34.0419.C10
Gene No.	106755	Strand	-
Start	96	End	665

Name	OJ991120_34.0419.C10.o1.np	Method	AAT/NAP
Start	96	End	397
GI	6539588	Score	205
Exons	96..397		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o1.np	Method	AAT/NAP
Start	316	End	1682
GI	6630685	Score	1288
Exons	316..1682		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	325	End	938
GI	5509260	Score	41
Exons	325..375, 388..441, 420..839, 747..839, 825..938, 844..933	452..625, 457..627, 683..838,	
GI Descrip.	-		

Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o1.tw	Method	TBLASTX:Wheat
Start	452	End	924
GI	none	Score	83
Exons	452..541, 453..542, 522..836, 844..924	584..622, 743..835, 843..914,	

Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	558	End	818
GI	none	Score	211
Exons	558..818		

Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o2.tm	Method	TBLASTX:Maize
Start	600	End	1035
GI	none	Score	278
Exons	600..833, 627..686, 683..829,	841..1035, 843..974, 844..1026	

Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o2.ts	Method	TBLASTX:Soybean
Start	1075	End	1485
GI	none	Score	346

Exons	1075..1485, 1092..1238, 1299..1352, 1425..1475		
Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	1114	End	1604
GI	none	Score	287
Exons	1114..1398, 1120..1383, 1414..1602, 1416..1604		
Seq. No.	50264	Seq. ID	OJ991120_34.0419.C11
Gene No.	106756	Strand	+
Start	316	End	1682
Name	OJ991120_34.0419.C11.o2.tw	Method	TBLASTX:Wheat
Start	1114	End	1545
GI	none	Score	101
Exons	1114..1263, 1288..1545		
Seq. No.	50265	Seq. ID	OJ991120_34.0419.C12
Gene No.	106757	Strand	+
Start	1959	End	3620
Name	OJ991120_34.0419.C12.o1.np	Method	AAT/NAP
Start	1959	End	3620
GI	6539588	Score	238
Exons	1959..2241, 3600..3620		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	50266	Seq. ID	OJ991120_34.0419.C13
Gene No.	106758	Strand	+
Start	1376	End	2031
Name	OJ991120_34.0419.C13.o1.gs	Method	GENSCAN
Start	1376	End	2031
GI	none	Score	.56
Exons	1376..1537, 1897..2031		
Seq. No.	50266	Seq. ID	OJ991120_34.0419.C13
Gene No.	106759	Strand	-
Start	3428	End	4812
Name	OJ991120_34.0419.C13.o2.gs	Method	GENSCAN
Start	3428	End	4812
GI	none	Score	.63
Exons	3428..3526, 4686..4812		
Seq. No.	50267	Seq. ID	OJ991120_34.0419.C14
Gene No.	106760	Strand	-
Start	513	End	2899
Name	OJ991120_34.0419.C14.o1.np	Method	AAT/NAP
Start	513	End	2137
GI	6539588	Score	185
Exons	513..602, 1860..2137		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	50267	Seq. ID	OJ991120_34.0419.C14
Gene No.	106760	Strand	-
Start	513	End	2899
Name	OJ991120_34.0419.C14.o2.gs	Method	GENSCAN
Start	1648	End	2899

GI	none	Score	.63
Exons	1648..1682, 1902..2078, 2348..2471, 2641..2899		

Seq. No.	50268	Seq. ID	OJ991120_34.0419.C15
Gene No.	106761	Strand	+
Start	185	End	301
Name	OJ991120_34.0419.C15.o1.gs	Method	GENSCAN
Start	185	End	301
GI	none	Score	.95
Exons	185..301		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106762	Strand	+
Start	183	End	10995
Name	OJ991120_34.0419.C16.o1.gs	Method	GENSCAN
Start	183	End	3427
GI	none	Score	.67
Exons	183..274, 1898..2000, 2666..2771, 2853..3427		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106762	Strand	+
Start	183	End	10995
Name	OJ991120_34.0419.C16.o1.np	Method	AAT/NAP
Start	2621	End	10995
GI	4406777	Score	651
Exons	2621..2771, 2853..3018, 3082..3318, 5786..5833, 5900..5997, 10961..10995		
GI Descrip.	(AC006532) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106762	Strand	+
Start	183	End	10995
Name	OJ991120_34.0419.C16.o3.gs	Method	GENSCAN
Start	7801	End	8509
GI	none	Score	.6
Exons	7801..7891, 7926..7982, 8217..8369, 8451..8509		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106763	Strand	-
Start	8824	End	10719
Name	OJ991120_34.0419.C16.o2.ts	Method	TBLASTX:Soybean
Start	2741	End	2965
GI	none	Score	49
Exons	2741..2770, 2852..2965, 2878..2940		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106763	Strand	-
Start	8824	End	10719
Name	OJ991120_34.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	2852	End	3319
GI	none	Score	102
Exons	2852..2935, 2930..2962, 2963..3004, 3086..3166, 3094..3192, 3208..3315, 3209..3319		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106763	Strand	-

Start	8824	End	10719
Name	OJ991120_34.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	2852	End	3319
GI	none	Score	197
Exons	2852..3022, 2852..2995, 3086..3166, 3088..3192, 3163..3195, 3193..3315, 3203..3319		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106763	Strand	-
Start	8824	End	10719
Name	OJ991120_34.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	2975	End	3319
GI	none	Score	57
Exons	2975..3034, 3086..3232, 3088..3231, 3235..3315, 3236..3319		

Seq. No.	50269	Seq. ID	OJ991120_34.0419.C16
Gene No.	106763	Strand	-
Start	8824	End	10719
Name	OJ991120_34.0419.C16.o4.gs	Method	GENSCAN
Start	8824	End	10719
GI	none	Score	.64
Exons	8824..8898, 9102..9159, 9641..9671, 10567..10719		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106764	Strand	+
Start	48	End	206
Name	OJ991120_34.0419.C17.o1.gs	Method	GENSCAN
Start	48	End	206
GI	none	Score	.93
Exons	48..206		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106765	Strand	+
Start	4085	End	4752
Name	OJ991120_34.0419.C17.o2.gp	Method	AAT/GAP
Start	4085	End	4752
GI	5555_1.R1084	Score	1159
Exons	4085..4752		
GI Descrip.	'4406780/gb|AAD20090| 1.0e-140 (AC006532) putative multispanning membrane protein [Arabidopsis thaliana]'		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	722	End	2895
GI	none	Score	281
Exons	722..970, 742..969, 1026..1169, 1052..1234, 1056..1232, 1346..1600, 1356..1610, 2688..2894, 2700..2765, 2704..2895		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	742	End	2915
GI	none	Score	118
Exons	742..975, 749..967, 841..969, 1052..1234, 1340..1522,		

1356..1523, 1544..1603, 1554..1610, 2688..2915, 2698..2880

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o2.gs	Method	GENSCAN
Start	742	End	4750
GI	none	Score	.43
Exons	742..966, 1043..1231, 1358..1601, 2866..3199, 4455..4516, 4541..4750		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o1.np	Method	AAT/NAP
Start	745	End	2993
GI	6478216	Score	840
Exons	745..966, 1052..1231, 1358..1601, 2686..2993		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o1.gp	Method	AAT/GAP
Start	820	End	3056
GI	17779_1.R1084	Score	1701
Exons	820..966, 1052..1231, 1358..1601, 2686..3056		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	1085	End	2915
GI	none	Score	91
Exons	1085..1234, 1355..1471, 1356..1472, 1505..1576, 1565..1609, 2694..2915, 2698..2889		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	4222	End	4759
GI	none	Score	72
Exons	4222..4269, 4329..4352, 4334..4399, 4335..4400, 4348..4401, 4352..4414, 4397..4441, 4399..4449, 4401..4460, 4401..4448, 4402..4449, 4442..4540, 4443..4469, 4456..4752, 4481..4510, 4521..4751, 4531..4755, 4532..4756, 4652..4759		

Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	4459	End	4759
GI	none	Score	198

Exons	4459..4749, 4488..4748, 4489..4755, 4523..4756, 4649..4759		
Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o2.tc	Method	TBLASTX:Cress
Start	4531	End	4686
GI	none	Score	183
Exons	4531..4686, 4532..4684		
Seq. No.	50270	Seq. ID	OJ991120_34.0419.C17
Gene No.	106766	Strand	-
Start	742	End	4932
Name	OJ991120_34.0419.C17.o2.np	Method	AAT/NAP
Start	4534	End	4932
GI	6010773	Score	350
Exons	4534..4755, 4880..4932		
GI Descrip.	(AF187853) putative multispanning membrane protein [Populus alba x Populus tremula]		
Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106767	Strand	+
Start	290	End	701
Name	OJ991120_34.0419.C18.o1.gs	Method	GENSCAN
Start	290	End	701
GI	none	Score	.75
Exons	290..480, 623..701		
Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106768	Strand	-
Start	1	End	3253
Name	OJ991120_34.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	3159
GI	4406780	Score	2046
Exons	1..51, 234..784, 904..1060, 1188..1325, 1891..2474, 2559..2599, 3014..3159		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		
Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106768	Strand	-
Start	1	End	3253
Name	OJ991120_34.0419.C18.o1.gp	Method	AAT/GAP
Start	290	End	1931
GI	5555_1.R1084	Score	1540
Exons	290..784, 904..1060, 1188..1325, 1891..1931		
GI Descrip.	'4406780/gb|AAD20090| 1.0e-140 (AC006532) putative multispanning membrane protein [Arabidopsis thaliana]'		
Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106768	Strand	-
Start	1	End	3253
Name	OJ991120_34.0419.C18.o2.gs	Method	GENSCAN
Start	1085	End	3174
GI	none	Score	.79
Exons	1085..1100, 1188..1325, 1891..2251, 2257..2474, 2731..2876, 2952..2981, 3037..3174		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106768	Strand	-
Start	1	End	3253
Name	OJ991120_34.0419.C18.o2.gp	Method	AAT/GAP
Start	2256	End	3253
GI	42904_1.R1084	Score	877
Exons	2256..2474, 2559..2599, 3014..3253		
GI Descrip.	'4406780/gb|AAD20090| 2.0e-45 (AC006532) putative multispanning membrane protein [Arabidopsis thaliana]'		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	293	End	1339
GI	none	Score	174
Exons	293..349, 301..615, 336..785, 416..793, 420..827, 670..807, 901..1053, 902..1057, 902..1057, 1167..1283, 1169..1339		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	298	End	2178
GI	none	Score	207
Exons	298..615, 299..349, 336..785, 416..793, 670..786, 901..1059, 902..1060, 902..1060, 1176..1283, 1187..1285, 1199..1324, 1222..1323, 1224..1328, 1884..2177, 1888..2178, 1890..2177, 1903..2178		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o2.tc	Method	TBLASTX:Cress
Start	299	End	589
GI	none	Score	142
Exons	299..346, 416..589		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	443	End	764
GI	none	Score	132
Exons	443..721, 459..734, 519..764		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	614	End	2440
GI	none	Score	196
Exons	614..790, 615..785, 901..1059, 902..1060, 902..1060, 1073..1123, 1176..1283, 1187..1285, 1193..1324, 1195..1323, 1236..1328, 1888..2193, 1888..2112, 1890..2186, 2192..2440, 2193..2423		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18

Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o2.tm	Method	TBLASTX:Maize
Start	1887	End	3105
GI	none	Score	366
Exons	1887..2189, 1888..2190, 1888..2184, 1890..2186, 2186..2329, 2187..2423, 2187..2342, 2189..2440, 2386..2448, 2391..2441, 2429..2476, 2449..2475, 2560..2601, 2561..2602, 2561..2602, 3016..3105		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o2.ts	Method	TBLASTX:Soybean
Start	2192	End	3102
GI	none	Score	200
Exons	2192..2440, 2193..2420, 2529..2600, 2552..2602, 2557..2601, 3016..3102		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o2.np	Method	AAT/NAP
Start	6227	End	7791
GI	3834317	Score	188
Exons	6227..6328, 6969..7004, 7646..7791		
GI Descrip.	(AC005679) Similar to CDC16 protein gb|U18291 (CDC16Hs) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	50271	Seq. ID	OJ991120_34.0419.C18
Gene No.	106769	Strand	-
Start	6499	End	7791
Name	OJ991120_34.0419.C18.o3.gs	Method	GENSCAN
Start	6499	End	7745
GI	none	Score	.72
Exons	6499..6540, 7646..7745		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106770	Strand	+
Start	10197	End	16430
Name	OJ991120_34.0419.C19.o2.np	Method	AAT/NAP
Start	10197	End	16430
GI	6466937	Score	2120
Exons	10197..10246, 13333..16065, 16323..16430		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106771	Strand	+
Start	18316	End	19464
Name	OJ991120_34.0419.C19.o5.gs	Method	GENSCAN
Start	18316	End	19464
GI	none	Score	.9
Exons	18316..19464		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106772	Strand	-

Start	1	End	7432
Name	OJ991120_34.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	6147
GI	3834317	Score	1393
Exons	1..139, 1011..1093, 1471..1540, 2095..2220, 2925..2999, 3382..3507, 3595..3784, 4132..4177, 4356..4395, 4749..4822, 4905..5039, 5907..6147		
GI Descrip.	(AC005679) Similar to CDC16 protein gb|U18291 (CDC16Hs) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106772	Strand	-
Start	1	End	7432
Name	OJ991120_34.0419.C19.o1.gs	Method	GENSCAN
Start	807	End	7432
GI	none	Score	.81
Exons	807..863, 1471..1540, 2095..2220, 2925..2999, 3382..3507, 3595..3770, 4356..4395, 4749..4822, 4905..5039, 5907..6102, 6315..6443, 6700..6896, 6902..7432		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106773	Strand	-
Start	8821	End	9447
Name	OJ991120_34.0419.C19.o2.gs	Method	GENSCAN
Start	8821	End	9447
GI	none	Score	.88
Exons	8821..9447		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106774	Strand	-
Start	10607	End	11435
Name	OJ991120_34.0419.C19.o3.gs	Method	GENSCAN
Start	10607	End	11435
GI	none	Score	.4
Exons	10607..10699, 10878..10897, 11198..11435		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o4.tm	Method	TBLASTX:Maize
Start	76	End	3975
GI	none	Score	82
Exons	76..147, 76..147, 1007..1096, 1008..1097, 1009..1104, 1010..1096, 1462..1539, 1463..1540, 1471..1542, 1472..1540, 1473..1571, 2082..2219, 2096..2221, 2130..2225, 2152..2223, 2919..2999, 2920..3018, 2920..3000, 2924..3001, 3378..3506, 3381..3506, 3382..3507, 3583..3771, 3587..3793, 3594..3770, 3879..3959, 3879..3959, 3880..3975, 3890..3973		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o7.tm	Method	TBLASTX:Maize
Start	4959	End	6125
GI	none	Score	94
Exons	4959..5036, 4961..5038, 4962..5045, 4990..5091, 5907..6107, 5908..6117, 6018..6125		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o4.ts	Method	TBLASTX:Soybean
Start	5952	End	6125
GI	none	Score	155
Exons	5952..6107, 5971..6117, 6018..6125		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o9.tm	Method	TBLASTX:Maize
Start	7028	End	9255
GI	none	Score	61
Exons	7028..7093, 7031..7084, 7193..7285, 7194..7283, 8995..9039, 9157..9255		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o3.ts	Method	TBLASTX:Soybean
Start	13347	End	13661
GI	none	Score	219
Exons	13347..13661		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o1.tw	Method	TBLASTX:Wheat
Start	13347	End	13793
GI	none	Score	387
Exons	13347..13793, 13415..13789		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o2.tm	Method	TBLASTX:Maize
Start	13371	End	13847
GI	none	Score	539
Exons	13371..13847, 13415..13840, 13461..13844		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o2.ts	Method	TBLASTX:Soybean
Start	13776	End	14116
GI	none	Score	146
Exons	13776..13949, 13778..13942, 13958..14116, 14015..14089		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o3.tm	Method	TBLASTX:Maize
Start	13866	End	14389
GI	none	Score	91
Exons	13866..13955, 13874..13912, 13957..14115, 13958..14116,		

14099..14389, 14128..14373

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o6.tw	Method	TBLASTX:Wheat
Start	13896	End	14314
GI	none	Score	52
Exons	13896..13958, 13958..14116, 14102..14314		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o6.tm	Method	TBLASTX:Maize
Start	14390	End	14758
GI	none	Score	297
Exons	14390..14758, 14392..14559		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o2.tw	Method	TBLASTX:Wheat
Start	14546	End	14974
GI	none	Score	363
Exons	14546..14974, 14788..14973		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	14810	End	15445
GI	none	Score	663
Exons	14810..15445, 14896..15426		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o1.ts	Method	TBLASTX:Soybean
Start	14831	End	15217
GI	none	Score	326
Exons	14831..15217, 14863..15216, 14882..15217		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o5.tw	Method	TBLASTX:Wheat
Start	15035	End	15292
GI	none	Score	219
Exons	15035..15292		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o3.tw	Method	TBLASTX:Wheat
Start	15295	End	15690
GI	none	Score	198
Exons	15295..15453, 15296..15484, 15491..15664, 15643..15690		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o5.tm	Method	TBLASTX:Maize
Start	15488	End	16070
GI	none	Score	142
Exons	15488..15667, 15532..15651, 15667..15852, 15702..15809, 15883..16068, 15942..16070		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o4.tw	Method	TBLASTX:Wheat
Start	15835	End	16035
GI	none	Score	222
Exons	15835..16035, 15894..16031		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o6.gs	Method	GENSCAN
Start	21007	End	21346
GI	none	Score	.55
Exons	21007..21051, 21293..21346		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o3.np	Method	AAT/NAP
Start	21135	End	21561
GI	6907106	Score	447
Exons	21135..21561		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50272	Seq. ID	OJ991120_34.0419.C19
Gene No.	106775	Strand	-
Start	21007	End	21561
Name	OJ991120_34.0419.C19.o8.tm	Method	TBLASTX:Maize
Start	21234	End	21558
GI	none	Score	76
Exons	21234..21344, 21234..21278, 21237..21380, 21239..21355, 21290..21343, 21314..21379, 21321..21500, 21350..21499, 21356..21400, 21359..21424, 21390..21506, 21400..21522, 21505..21558, 21505..21555, 21520..21537		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106776	Strand	+
Start	86	End	802
Name	OJ991120_34.0419.C20.o1.gs	Method	GENSCAN
Start	86	End	802
GI	none	Score	.78
Exons	86..802		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-

Start	394	End	4810
Name	OJ991120_34.0419.C20.o1.np	Method	AAT/NAP
Start	394	End	4810
GI	3738337	Score	636
Exons	394..448, 2971..4810		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o1.tw	Method	TBLASTX:Wheat
Start	2536	End	2903
GI	none	Score	99
Exons	2536..2724, 2538..2726, 2715..2903, 2725..2769		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o2.tm	Method	TBLASTX:Maize
Start	2631	End	3099
GI	none	Score	54
Exons	2631..2699, 2632..2700, 2724..3098, 2727..3092, 2911..3099		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	2933	End	3694
GI	none	Score	88
Exons	2933..3055, 3171..3356, 3348..3572, 3349..3582, 3638..3694		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o3.tw	Method	TBLASTX:Wheat
Start	2997	End	3440
GI	none	Score	230
Exons	2997..3095, 3186..3440		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	3300	End	4258
GI	none	Score	44
Exons	3300..3470, 3303..3584, 3461..3535, 3587..3739, 3633..3725, 3742..3801, 3795..4067, 3823..4080, 3882..4100, 4001..4258, 4059..4256		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o2.np	Method	AAT/NAP
Start	3474	End	4810
GI	5001452	Score	69
Exons	3474..3531, 4676..4810		

GI Descrip. (AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o4.tw	Method	TBLASTX:Wheat
Start	3894	End	4210
GI	none	Score	88
Exons	3894..3929, 3897..4067, 3933..4100, 4001..4210, 4002..4172, 4061..4192		

Seq. No.	50273	Seq. ID	OJ991120_34.0419.C20
Gene No.	106777	Strand	-
Start	394	End	4810
Name	OJ991120_34.0419.C20.o2.tw	Method	TBLASTX:Wheat
Start	4534	End	4810
GI	none	Score	94
Exons	4534..4809, 4550..4810		

Seq. No.	50274	Seq. ID	OJ991110_11.0419.C7
Gene No.	106778	Strand	+
Start	297	End	412
Name	OJ991110_11.0419.C7.o1.gs	Method	GENSCAN
Start	297	End	412
GI	none	Score	43
Exons	297..412		

Seq. No.	50275	Seq. ID	OJ991110_11.0419.C9
Gene No.	106779	Strand	-
Start	1	End	314
Name	OJ991110_11.0419.C9.o1.gp	Method	AAT/GAP
Start	1	End	178
GI	uC-osroM202023g10b1	Score	336
Exons	1..178		

GI Descrip. '2673907 4.0e-09 (AC002561) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	50275	Seq. ID	OJ991110_11.0419.C9
Gene No.	106779	Strand	-
Start	1	End	314
Name	OJ991110_11.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	314
GI	7486431	Score	121
Exons	1..314		

GI Descrip. hypothetical protein F4I1.24 - Arabidopsis thaliana gi|3128185|gb|AAC16089.1| (AC004521) unknown protein [Arabidopsis thaliana]

Seq. No.	50275	Seq. ID	OJ991110_11.0419.C9
Gene No.	106779	Strand	-
Start	1	End	314
Name	OJ991110_11.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	246
GI	none	Score	213
Exons	2..244, 46..246		

Seq. No.	50275	Seq. ID	OJ991110_11.0419.C9
Gene No.	106779	Strand	-
Start	1	End	314
Name	OJ991110_11.0419.C9.o1.gs	Method	GENSCAN
Start	189	End	258
GI	none	Score	.4
Exons	189..258		

Seq. No.	50276	Seq. ID	OJ991110_11.0419.C14
Gene No.	106780	Strand	-
Start	1	End	1510
Name	OJ991110_11.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	4417306	Score	183
Exons	1..125, 375..535, 604..963, 1490..1510		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	50276	Seq. ID	OJ991110_11.0419.C14
Gene No.	106780	Strand	-
Start	1	End	1510
Name	OJ991110_11.0419.C14.o1.gs	Method	GENSCAN
Start	242	End	605
GI	none	Score	.5
Exons	242..605		

Seq. No.	50276	Seq. ID	OJ991110_11.0419.C14
Gene No.	106780	Strand	-
Start	1	End	1510
Name	OJ991110_11.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	611	End	946
GI	none	Score	89
Exons	611..826, 842..946		

Seq. No.	50277	Seq. ID	OJ991110_11.0419.C15
Gene No.	106781	Strand	-
Start	817	End	1280
Name	OJ991110_11.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	16	End	241
GI	none	Score	149
Exons	16..231, 17..241		

Seq. No.	50277	Seq. ID	OJ991110_11.0419.C15
Gene No.	106781	Strand	-
Start	817	End	1280
Name	OJ991110_11.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	16	End	267
GI	none	Score	37
Exons	16..75, 17..70, 70..267, 92..202		

Seq. No.	50277	Seq. ID	OJ991110_11.0419.C15
Gene No.	106781	Strand	-
Start	817	End	1280
Name	OJ991110_11.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	136	End	633
GI	none	Score	55
Exons	136..210, 137..214, 286..384, 302..385, 406..633		

Seq. No.	50277	Seq. ID	OJ991110_11.0419.C15
Gene No.	106781	Strand	-
Start	817	End	1280
Name	OJ991110_11.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	274	End	1024
GI	none	Score	51
Exons	274..393, 412..717, 413..526, 621..716, 763..864, 764..844, 842..1024, 908..1012		

Seq. No.	50277	Seq. ID	OJ991110_11.0419.C15
Gene No.	106781	Strand	-
Start	817	End	1280
Name	OJ991110_11.0419.C15.o1.np	Method	AAT/NAP
Start	817	End	1223
GI	7489553	Score	523
Exons	817..1223		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi|2462640|emb|CAA73800.1| (Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	50277	Seq. ID	OJ991110_11.0419.C15
Gene No.	106781	Strand	-
Start	817	End	1280
Name	OJ991110_11.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	944	End	1280
GI	none	Score	150
Exons	944..1021, 1038..1280		

Seq. No.	50278	Seq. ID	OJ991110_11.0419.C16
Gene No.	106782	Strand	+
Start	166	End	1552
Name	OJ991110_11.0419.C16.o1.gs	Method	GENSCAN
Start	166	End	1552
GI	none	Score	.88
Exons	166..361, 1152..1274, 1365..1552		

Seq. No.	50278	Seq. ID	OJ991110_11.0419.C16
Gene No.	106783	Strand	-
Start	94	End	2452
Name	OJ991110_11.0419.C16.o1.np	Method	AAT/NAP
Start	94	End	2452
GI	6063554	Score	315
Exons	94..268, 904..931, 1219..1418, 2426..2452		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50279	Seq. ID	OJ991110_11.0419.C17
Gene No.	106784	Strand	-
Start	410	End	1995
Name	OJ991110_11.0419.C17.o1.gs	Method	GENSCAN
Start	410	End	1995
GI	none	Score	.58
Exons	410..534, 918..1201, 1793..1995		

Seq. No.	50280	Seq. ID	OJ991110_11.0419.C18

Gene No.	106785	Strand	+
Start	60	End	7245
Name	OJ991110_11.0419.C18.o1.np	Method	AAT/NAP
Start	60	End	6823
GI	6705984	Score	412
Exons	60..81, 1483..2357, 6698..6823		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	50280	Seq. ID	OJ991110_11.0419.C18
Gene No.	106785	Strand	+
Start	60	End	7245
Name	OJ991110_11.0419.C18.o1.gs	Method	GENSCAN
Start	416	End	3219
GI	none	Score	.62
Exons	416..440, 1447..1650, 2177..2506, 3110..3219		

Seq. No.	50280	Seq. ID	OJ991110_11.0419.C18
Gene No.	106785	Strand	+
Start	60	End	7245
Name	OJ991110_11.0419.C18.o2.np	Method	AAT/NAP
Start	1791	End	3243
GI	6498436	Score	346
Exons	1791..1834, 2317..2387, 2418..2506, 2555..3066, 3128..3243		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	50280	Seq. ID	OJ991110_11.0419.C18
Gene No.	106785	Strand	+
Start	60	End	7245
Name	OJ991110_11.0419.C18.o2.gs	Method	GENSCAN
Start	5162	End	7245
GI	none	Score	.77
Exons	5162..5242, 5741..5773, 5858..6023, 6216..6353, 6925..7171, 7212..7245		

Seq. No.	50280	Seq. ID	OJ991110_11.0419.C18
Gene No.	106786	Strand	-
Start	8398	End	8924
Name	OJ991110_11.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	1518	End	2058
GI	none	Score	205
Exons	1518..1811, 1534..1812, 1536..1652, 1703..1816, 1709..1816, 1713..1820, 1828..2058, 1836..2012		

Seq. No.	50280	Seq. ID	OJ991110_11.0419.C18
Gene No.	106786	Strand	-
Start	8398	End	8924
Name	OJ991110_11.0419.C18.o3.gs	Method	GENSCAN
Start	8398	End	8924
GI	none	Score	.9
Exons	8398..8504, 8795..8924		

Seq. No.	50281	Seq. ID	OJ991110_11.0419.C19
Gene No.	106787	Strand	-
Start	1	End	1110
Name	OJ991110_11.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	1110
GI	6691191	Score	457

Exons	1..34, 485..1110		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		
Seq. No.	50281	Seq. ID	OJ991110_11.0419.C19
Gene No.	106787	Strand	-
Start	1	End	1110
Name	OJ991110_11.0419.C19.o1.gs	Method	GENSCAN
Start	65	End	151
GI	none	Score	.64
Exons	65..151		
Seq. No.	50281	Seq. ID	OJ991110_11.0419.C19
Gene No.	106787	Strand	-
Start	1	End	1110
Name	OJ991110_11.0419.C19.o1.ts	Method	TBLASTX:Soybean
Start	573	End	970
GI	none	Score	110
Exons	573..830, 573..830, 810..944, 836..970		
Seq. No.	50281	Seq. ID	OJ991110_11.0419.C19
Gene No.	106787	Strand	-
Start	1	End	1110
Name	OJ991110_11.0419.C19.o1.tw	Method	TBLASTX:Wheat
Start	594	End	970
GI	none	Score	53
Exons	594..830, 730..777, 833..970		
Seq. No.	50282	Seq. ID	OJ991110_11.0419.C22
Gene No.	106788	Strand	+
Start	2380	End	2691
Name	OJ991110_11.0419.C22.o1.gs	Method	GENSCAN
Start	2380	End	2691
GI	none	Score	.47
Exons	2380..2529, 2575..2691		
Seq. No.	50282	Seq. ID	OJ991110_11.0419.C22
Gene No.	106789	Strand	+
Start	5247	End	5521
Name	OJ991110_11.0419.C22.o1.np	Method	AAT/NAP
Start	5247	End	5521
GI	7106512	Score	100
Exons	5247..5521		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	50282	Seq. ID	OJ991110_11.0419.C22
Gene No.	106790	Strand	+
Start	6919	End	8314
Name	OJ991110_11.0419.C22.o2.np	Method	AAT/NAP
Start	6919	End	8314
GI	7523686	Score	111
Exons	6919..6950, 8060..8314		
GI Descrip.	(AC009526) Similar to Athila ORF 1 [Arabidopsis thaliana]		
Seq. No.	50282	Seq. ID	OJ991110_11.0419.C22
Gene No.	106791	Strand	-
Start	3506	End	3890

Name	OJ991110_11.0419.C22.o2.gs	Method	GENSCAN
Start	3506	End	3890
GI	none	Score	.46
Exons	3506..3596, 3727..3890		

Seq. No.	50282	Seq. ID	OJ991110_11.0419.C22
Gene No.	106792	Strand	-
Start	6920	End	8224
Name	OJ991110_11.0419.C22.o4.gs	Method	GENSCAN
Start	6920	End	8224
GI	none	Score	.9
Exons	6920..7072, 8219..8224		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106793	Strand	+
Start	1	End	915
Name	OJ991110_11.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	889
GI	6691191	Score	631
Exons	1..43, 118..889		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106793	Strand	+
Start	1	End	915
Name	OJ991110_11.0419.C23.o1.gs	Method	GENSCAN
Start	169	End	915
GI	none	Score	.61
Exons	169..915		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o6.tw	Method	TBLASTX:Wheat
Start	9	End	9533
GI	none	Score	71
Exons	9..128, 9335..9520, 9354..9533		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	304	End	831
GI	none	Score	385
Exons	304..693, 306..542, 307..561, 703..792, 796..831		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o3.tw	Method	TBLASTX:Wheat
Start	316	End	696
GI	none	Score	386
Exons	316..696, 372..533, 615..695		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528

Name	OJ991110_11.0419.C23.o2.gs	Method	GENSCAN
Start	3564	End	10557
GI	none	Score	.4
Exons	3564..3638, 5001..5037, 5115..5157, 5717..5804, 5940..6080, 7528..7609, 7801..7866, 7959..8452, 9013..9323, 9678..9801, 9874..10088, 10140..10557		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o2.np	Method	AAT/NAP
Start	4549	End	9894
GI	5902445	Score	1421
Exons	4549..5260, 5672..5820, 7229..7330, 9332..9894		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o5.tw	Method	TBLASTX:Wheat
Start	4558	End	4870
GI	none	Score	124
Exons	4558..4725, 4562..4729, 4766..4870, 4770..4865		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	8935	End	9333
GI	none	Score	429
Exons	8935..9333		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	9019	End	9279
GI	none	Score	144
Exons	9019..9279, 9041..9265		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	9464	End	9820
GI	none	Score	152
Exons	9464..9532, 9535..9819, 9551..9820		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o2.tw	Method	TBLASTX:Wheat
Start	9538	End	9949
GI	none	Score	117
Exons	9538..9828, 9541..9948, 9545..9829, 9863..9949		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23

Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o3.np	Method	AAT/NAP
Start	9961	End	11528
GI	5902444	Score	788
Exons	9961..10582, 11488..11528		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50283	Seq. ID	OJ991110_11.0419.C23
Gene No.	106794	Strand	-
Start	3564	End	11528
Name	OJ991110_11.0419.C23.o4.tw	Method	TBLASTX:Wheat
Start	10186	End	10542
GI	none	Score	120
Exons	10186..10542, 10208..10450		

Seq. No.	50284	Seq. ID	OJ991110_11.0419.C24
Gene No.	106795	Strand	+
Start	529	End	955
Name	OJ991110_11.0419.C24.o1.gs	Method	GENSCAN
Start	529	End	955
GI	none	Score	.78
Exons	529..610, 876..955		

Seq. No.	50285	Seq. ID	OJ991110_11.0419.C25
Gene No.	106796	Strand	+
Start	1	End	1339
Name	OJ991110_11.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	1339
GI	6063554	Score	274
Exons	1..168, 504..531, 1165..1339		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50285	Seq. ID	OJ991110_11.0419.C25
Gene No.	106797	Strand	-
Start	130	End	1090
Name	OJ991110_11.0419.C25.o1.gs	Method	GENSCAN
Start	130	End	1090
GI	none	Score	.72
Exons	130..236, 447..599, 1070..1090		

Seq. No.	50286	Seq. ID	OJ991110_11.0419.C26
Gene No.	106798	Strand	-
Start	172	End	592
Name	OJ991110_11.0419.C26.o1.gs	Method	GENSCAN
Start	172	End	592
GI	none	Score	.67
Exons	172..332, 483..592		

Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106799	Strand	+
Start	351	End	8854
Name	OJ991110_11.0419.C27.o7.np	Method	AAT/NAP
Start	351	End	8854
GI	4680186	Score	312

Exons	351..404, 6832..6883, 8653..8854		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106799	Strand	+
Start	351	End	8854
Name	OJ991110_11.0419.C27.o4.np	Method	AAT/NAP
Start	2407	End	5357
GI	5042463	Score	120
Exons	2407..2454, 3644..3825, 4517..4670, 4722..4804, 5250..5357		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106799	Strand	+
Start	351	End	8854
Name	OJ991110_11.0419.C27.o2.gs	Method	GENSCAN
Start	4856	End	7634
GI	none	Score	.4
Exons	4856..5221, 5627..5803, 6550..6744, 7536..7634		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106799	Strand	+
Start	351	End	8854
Name	OJ991110_11.0419.C27.o5.np	Method	AAT/NAP
Start	4856	End	5506
GI	7248393	Score	601
Exons	4856..5506		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106800	Strand	-
Start	1	End	6092
Name	OJ991110_11.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	4161
GI	5902444	Score	444
Exons	1..54, 814..1250, 4120..4161		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106800	Strand	-
Start	1	End	6092
Name	OJ991110_11.0419.C27.o2.np	Method	AAT/NAP
Start	1	End	6092
GI	4680183	Score	439
Exons	1..54, 814..1250, 6072..6092		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106800	Strand	-
Start	1	End	6092
Name	OJ991110_11.0419.C27.o1.gs	Method	GENSCAN
Start	60	End	2064
GI	none	Score	.51
Exons	60..188, 844..942, 1227..1366, 1807..2064		
Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106800	Strand	-

Start	1	End	6092
Name	OJ991110_11.0419.C27.o3.np	Method	AAT/NAP
Start	1940	End	5038
GI	7340868	Score	95
Exons	1940..1965, 3139..3302, 4992..5038		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	50287	Seq. ID	OJ991110_11.0419.C27
Gene No.	106801	Strand	
Start	7650	End	8188
Name	OJ991110_11.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	7650	End	8188
GI	none	Score	43
Exons	7650..7745, 7651..7746, 7663..7746, 7826..7855, 7827..7853, 7828..7854, 7842..8177, 7843..8109, 7851..8174, 7859..8188		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o1.np	Method	AAT/NAP
Start	1051	End	2351
GI	4680179	Score	1754
Exons	1051..2351		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o3.tw	Method	TBLASTX:Wheat
Start	1096	End	1429
GI	none	Score	132
Exons	1096..1428, 1160..1429		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	1276	End	1854
GI	none	Score	220
Exons	1276..1707, 1292..1708, 1708..1854, 1712..1846		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o1.tw	Method	TBLASTX:Wheat
Start	1429	End	2032
GI	none	Score	158
Exons	1429..1698, 1430..1702, 1708..1890, 1708..1908, 1862..2032		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o2.tm	Method	TBLASTX:Maize
Start	1901	End	2193
GI	none	Score	197
Exons	1901..2191, 1905..2192, 2008..2193, 2023..2193		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	1991	End	2246
GI	none	Score	141
Exons	1991..2227, 1992..2246		

Seq. No.	50288	Seq. ID	OJ991110_11.0419.C28
Gene No.	106802	Strand	-
Start	1051	End	2351
Name	OJ991110_11.0419.C28.o2.tw	Method	TBLASTX:Wheat
Start	2039	End	2341
GI	none	Score	230
Exons	2039..2341, 2040..2297, 2045..2326		

Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106803	Strand	+
Start	388	End	5433
Name	OJ991110_11.0419.C29.o2.np	Method	AAT/NAP
Start	388	End	5433
GI	4680186	Score	299
Exons	388..508, 4314..4395, 5232..5433		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106804	Strand	-
Start	1	End	5241
Name	OJ991110_11.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	3049
GI	4680179	Score	3017
Exons	1..1926, 1960..3049		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106804	Strand	-
Start	1	End	5241
Name	OJ991110_11.0419.C29.o2.gs	Method	GENSCAN
Start	1462	End	5241
GI	none	Score	.79
Exons	1462..1664, 1851..2001, 2034..2204, 2396..2558, 2634..3049, 3220..3244, 3301..3489, 3551..3857, 3887..4106, 5197..5241		

Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	28	End	531
GI	none	Score	239
Exons	28..531, 106..453, 113..499		

Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	106	End	460
GI	none	Score	161

Exons	106..459, 112..459, 113..460		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o2.ts	Method	TBLASTX:Soybean
Start	277	End	522
GI	none	Score	88
Exons	277..522, 281..508		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o3.tm	Method	TBLASTX:Maize
Start	466	End	812
GI	none	Score	59
Exons	466..642, 615..812, 625..720		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o3.tw	Method	TBLASTX:Wheat
Start	532	End	833
GI	none	Score	89
Exons	532..642, 548..640, 615..833,	625..822,	630..830, 764..832
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	537	End	941
GI	none	Score	46
Exons	537..653, 547..642, 615..905, 910..939	625..822,	633..905, 909..941,
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o2.tm	Method	TBLASTX:Maize
Start	828	End	1292
GI	none	Score	71
Exons	828..1292, 868..1029, 1057..1224		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o2.tw	Method	TBLASTX:Wheat
Start	882	End	1365
GI	none	Score	264
Exons	882..1364, 925..1365		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o5.tw	Method	TBLASTX:Wheat
Start	1556	End	1902
GI	none	Score	58

Exons	1556..1648, 1570..1671, 1696..1902, 1781..1852		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o4.tw	Method	TBLASTX:Wheat
Start	2450	End	2812
GI	none	Score	147
Exons	2450..2812, 2451..2810		
Seq. No.	50289	Seq. ID	OJ991110_11.0419.C29
Gene No.	106805	Strand	-
Start	6238	End	6554
Name	OJ991110_11.0419.C29.o3.gs	Method	GENSCAN
Start	6238	End	6554
GI	none	Score	.55
Exons	6238..6322, 6415..6554		
Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106806	Strand	+
Start	4946	End	7878
Name	OJ991110_11.0419.C31.o1.np	Method	AAT/NAP
Start	4946	End	7878
GI	6691716	Score	2734
Exons	4946..5834, 6032..6206, 6299..6411, 6488..6663, 6741..6928, 7001..7112, 7263..7367, 7439..7878		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106806	Strand	+
Start	4946	End	7878
Name	OJ991110_11.0419.C31.o2.gs	Method	GENSCAN
Start	5558	End	7782
GI	none	Score	.91
Exons	5558..5830, 6061..6206, 6299..6663, 6741..6928, 7001..7190, 7248..7367, 7439..7782		
Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106807	Strand	-
Start	2623	End	5248
Name	OJ991110_11.0419.C31.o1.gs	Method	GENSCAN
Start	2623	End	5248
GI	none	Score	.63
Exons	2623..2816, 3851..4013, 4829..5038, 5105..5248		
Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-
Start	8217	End	9994
Name	OJ991110_11.0419.C31.o3.tw	Method	TBLASTX:Wheat
Start	5039	End	5356
GI	none	Score	198
Exons	5039..5356		
Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-

Start	8217	End	9994
Name	OJ991110_11.0419.C31.o3.gs	Method	GENSCAN
Start	8217	End	9251
GI	none	Score	.63
Exons	8217..8401, 8489..8794, 8870..9172, 9200..9251		

Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-
Start	8217	End	9994
Name	OJ991110_11.0419.C31.o2.np	Method	AAT/NAP
Start	8220	End	9994
GI	5902445	Score	1546
Exons	8220..9229, 9935..9994		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-
Start	8217	End	9994
Name	OJ991110_11.0419.C31.o1.tw	Method	TBLASTX:Wheat
Start	8247	End	8843
GI	none	Score	110
Exons	8247..8366, 8352..8843, 8581..8820		

Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-
Start	8217	End	9994
Name	OJ991110_11.0419.C31.o2.tm	Method	TBLASTX:Maize
Start	8268	End	8522
GI	none	Score	71
Exons	8268..8369, 8308..8370, 8349..8522, 8350..8403		

Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-
Start	8217	End	9994
Name	OJ991110_11.0419.C31.o2.tw	Method	TBLASTX:Wheat
Start	8859	End	9212
GI	none	Score	191
Exons	8859..9212, 8866..9207		

Seq. No.	50290	Seq. ID	OJ991110_11.0419.C31
Gene No.	106808	Strand	-
Start	8217	End	9994
Name	OJ991110_11.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	9023	End	9234
GI	none	Score	187
Exons	9023..9232, 9024..9233, 9025..9234		

Seq. No.	50291	Seq. ID	OJ991110_11.0419.C32
Gene No.	106809	Strand	+
Start	12	End	1276
Name	OJ991110_11.0419.C32.o1.gs	Method	GENSCAN
Start	12	End	1276
GI	none	Score	.68
Exons	12..70, 565..661, 965..1276		

Seq. No.	50291	Seq. ID	OJ991110_11.0419.C32
Gene No.	106810	Strand	-

Start	129	End	3315
Name	OJ991110_11.0419.C32.o1.np	Method	AAT/NAP
Start	129	End	3315
GI	4680180	Score	749
Exons	129..157, 2088..2684, 3293..3315		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50291	Seq. ID	OJ991110_11.0419.C32
Gene No.	106810	Strand	-
Start	129	End	3315
Name	OJ991110_11.0419.C32.o2.gs	Method	GENSCAN
Start	2332	End	2592
GI	none	Score	.98
Exons	2332..2592		

Seq. No.	50291	Seq. ID	OJ991110_11.0419.C32
Gene No.	106810	Strand	-
Start	129	End	3315
Name	OJ991110_11.0419.C32.o1.tw	Method	TBLASTX:Wheat
Start	2398	End	2685
GI	none	Score	80
Exons	2398..2685, 2534..2683		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106811	Strand	+
Start	774	End	3651
Name	OJ991110_11.0419.C33.o1.gs	Method	GENSCAN
Start	774	End	3651
GI	none	Score	.71
Exons	774..1658, 1736..2025, 2108..2466, 2544..2719, 2793..2982, 3054..3158, 3232..3449, 3466..3651		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106811	Strand	+
Start	774	End	3651
Name	OJ991110_11.0419.C33.o1.np	Method	AAT/NAP
Start	774	End	3648
GI	6691716	Score	2362
Exons	774..1662, 1851..2025, 2108..2216, 2293..2466, 2544..2719, 2793..2895, 3045..3158, 3232..3648		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106812	Strand	-
Start	3988	End	4500
Name	OJ991110_11.0419.C33.o2.tw	Method	TBLASTX:Wheat
Start	867	End	1184
GI	none	Score	194
Exons	867..1184		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106812	Strand	-
Start	3988	End	4500
Name	OJ991110_11.0419.C33.o2.np	Method	AAT/NAP
Start	3988	End	4500

GI	5902445	Score	767
Exons	3988..4500		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106812	Strand	-
Start	3988	End	4500
Name	OJ991110_11.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	3997	End	4458
GI	none	Score	79
Exons	3997..4128, 4153..4458, 4352..4456		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106812	Strand	-
Start	3988	End	4500
Name	OJ991110_11.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	4036	End	4290
GI	none	Score	90
Exons	4036..4137, 4037..4123, 4117..4290, 4118..4249		

Seq. No.	50292	Seq. ID	OJ991110_11.0419.C33
Gene No.	106812	Strand	-
Start	3988	End	4500
Name	OJ991110_11.0419.C33.o2.gs	Method	GENSCAN
Start	4180	End	4379
GI	none	Score	.88
Exons	4180..4379		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	1279
GI	5902445	Score	1893
Exons	1..752, 787..1279		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	3	End	245
GI	none	Score	186
Exons	3..245		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o4.tw	Method	TBLASTX:Wheat
Start	3	End	245
GI	none	Score	179
Exons	3..245		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o2.tw	Method	TBLASTX:Wheat

Start	303	End	593
GI	none	Score	95
Exons	303..593, 463..585		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	369	End	623
GI	none	Score	67
Exons	369..623, 508..615		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	496	End	909
GI	none	Score	132
Exons	496..744, 498..740, 805..909, 806..901		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o1.tw	Method	TBLASTX:Wheat
Start	594	End	1027
GI	none	Score	120
Exons	594..740, 595..741, 797..1027, 805..1026		

Seq. No.	50293	Seq. ID	OJ991110_11.0419.C34
Gene No.	106813	Strand	-
Start	1	End	1279
Name	OJ991110_11.0419.C34.o3.tw	Method	TBLASTX:Wheat
Start	1036	End	1278
GI	none	Score	110
Exons	1036..1278, 1037..1276		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106814	Strand	+
Start	12183	End	14595
Name	OJ991110_11.0419.C35.o4.gs	Method	GENSCAN
Start	12183	End	14595
GI	none	Score	.57
Exons	12183..12188, 12340..12603, 14416..14595		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o2.tm	Method	TBLASTX:Maize
Start	1	End	8468
GI	none	Score	85
Exons	1..150, 2..109, 8118..8468, 8122..8427		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o2.tw	Method	TBLASTX:Wheat
Start	1	End	8610

GI	none	Score	220
Exons	1..315, 2..301, 8274..8600, 8275..8610		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o1.np	Method	AAT/NAP
Start	292	End	11561
GI	5902444	Score	4165
Exons	292..804, 5163..7285, 11233..11561		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o3.tw	Method	TBLASTX:Wheat
Start	500	End	9272
GI	none	Score	143
Exons	500..727, 502..726, 5163..5315, 8793..9053, 8851..9051, 9096..9272		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o6.tw	Method	TBLASTX:Wheat
Start	3048	End	3542
GI	none	Score	81
Exons	3048..3227, 3069..3227, 3251..3532, 3252..3542		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o2.ts	Method	TBLASTX:Soybean
Start	3066	End	3440
GI	none	Score	97
Exons	3066..3251, 3246..3440		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o2.gs	Method	GENSCAN
Start	4922	End	7817
GI	none	Score	.67
Exons	4922..5027, 5107..5954, 6021..6293, 6307..7437, 7480..7727, 7736..7817		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o5.tw	Method	TBLASTX:Wheat
Start	5895	End	10254
GI	none	Score	93
Exons	5895..6290, 6028..6291, 9915..10253, 9946..10254		
Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016

Name	OJ991110_11.0419.C35.o4.tw	Method	TBLASTX:Wheat
Start	7296	End	7659
GI	none	Score	76
Exons	7296..7409, 7297..7410, 7303..7659, 7304..7480, 7492..7611		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	7462	End	7880
GI	none	Score	46
Exons	7462..7638, 7474..7593, 7626..7880, 7627..7848, 7662..7853		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	7641	End	7940
GI	none	Score	73
Exons	7641..7940, 7788..7901, 7789..7932		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o1.tw	Method	TBLASTX:Wheat
Start	7824	End	8243
GI	none	Score	238
Exons	7824..8243, 7825..8241		

Seq. No.	50294	Seq. ID	OJ991110_11.0419.C35
Gene No.	106815	Strand	-
Start	292	End	12016
Name	OJ991110_11.0419.C35.o3.gs	Method	GENSCAN
Start	7911	End	12016
GI	none	Score	.73
Exons	7911..8197, 8327..8450, 8724..9286, 9425..9538, 9569..9992, 10001..10108, 10161..10318, 10469..11036, 11099..11217, 11222..11513, 11598..11648, 11993..12016		

Seq. No.	50295	Seq. ID	OJ991110_11.0419.C39
Gene No.	106816	Strand	+
Start	168	End	1254
Name	OJ991110_11.0419.C39.o1.np	Method	AAT/NAP
Start	168	End	1254
GI	6907087	Score	240
Exons	168..1081, 1190..1254		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50296	Seq. ID	OJ991110_11.0419.C40
Gene No.	106817	Strand	+
Start	1	End	166
Name	OJ991110_11.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	166
GI	6907087	Score	123
Exons	1..166		

GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	50296	Seq. ID	OJ991110_11.0419.C40
Gene No.	106818	Strand	+
Start	1630	End	2200
Name	OJ991110_11.0419.C40.o3.np	Method	AAT/NAP
Start	1630	End	2200
GI	629693	Score	73
Exons	1630..1848, 2156..2200		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	50296	Seq. ID	OJ991110_11.0419.C40
Gene No.	106819	Strand	-
Start	59	End	4006
Name	OJ991110_11.0419.C40.o1.gs	Method	GENSCAN
Start	59	End	4006
GI	none	Score	.7
Exons	59..165, 861..914, 1441..1498, 1843..2043, 2542..2928, 3011..3124, 3197..3255, 3408..3531, 3627..3752, 3833..4006		
Seq. No.	50296	Seq. ID	OJ991110_11.0419.C40
Gene No.	106819	Strand	-
Start	59	End	4006
Name	OJ991110_11.0419.C40.o2.np	Method	AAT/NAP
Start	559	End	2508
GI	4680186	Score	223
Exons	559..764, 2464..2508		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	50297	Seq. ID	OJ991110_11.0419.C41
Gene No.	106820	Strand	-
Start	41	End	1223
Name	OJ991110_11.0419.C41.o1.gs	Method	GENSCAN
Start	41	End	1223
GI	none	Score	.47
Exons	41..726, 1171..1223		
Seq. No.	50298	Seq. ID	OJ991110_11.0419.C45
Gene No.	106821	Strand	+
Start	1	End	1937
Name	OJ991110_11.0419.C45.o1.np	Method	AAT/NAP
Start	1	End	1937
GI	7248394	Score	660
Exons	1..692, 1906..1937		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	50298	Seq. ID	OJ991110_11.0419.C45
Gene No.	106821	Strand	+
Start	1	End	1937
Name	OJ991110_11.0419.C45.o1.tm	Method	TBLASTX:Maize

Start	1	End	246
GI	none	Score	254
Exons	1..246, 1..84, 3..245, 157..246		

Seq. No.	50298	Seq. ID	OJ991110_11.0419.C45
Gene No.	106821	Strand	+
Start	1	End	1937
Name	OJ991110_11.0419.C45.o2.np	Method	AAT/NAP
Start	1	End	1937
GI	4680180	Score	476
Exons	1..1375, 1915..1937		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50298	Seq. ID	OJ991110_11.0419.C45
Gene No.	106821	Strand	+
Start	1	End	1937
Name	OJ991110_11.0419.C45.o1.ts	Method	TBLASTX:Soybean
Start	554	End	963
GI	none	Score	157
Exons	554..691, 554..691, 556..705, 712..795, 713..796, 793..963		

Seq. No.	50298	Seq. ID	OJ991110_11.0419.C45
Gene No.	106821	Strand	+
Start	1	End	1937
Name	OJ991110_11.0419.C45.o1.gs	Method	GENSCAN
Start	829	End	1590
GI	none	Score	.66
Exons	829..1590		

Seq. No.	50299	Seq. ID	OJ991110_11.0419.C46
Gene No.	106822	Strand	+
Start	1	End	1197
Name	OJ991110_11.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	1197
GI	5295955	Score	267
Exons	1..197, 846..888, 918..1197		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	50300	Seq. ID	OJ991110_11.0419.C47
Gene No.	106823	Strand	+
Start	1	End	701
Name	OJ991110_11.0419.C47.o1.np	Method	AAT/NAP
Start	1	End	701
GI	7484649	Score	252
Exons	1..701		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi|2462134|emb|CAA73798.1| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	50301	Seq. ID	OJ991110_11.0419.C48
Gene No.	106824	Strand	+
Start	118	End	1283
Name	OJ991110_11.0419.C48.o1.np	Method	AAT/NAP
Start	118	End	1283
GI	7489803	Score	695
Exons	118..1283		

GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	50301	Seq. ID	OJ991110_11.0419.C48
Gene No.	106824	Strand	+
Start	118	End	1283
Name	OJ991110_11.0419.C48.o1.tw	Method	TBLASTX:Wheat
Start	544	End	1102
GI	none	Score	100
Exons	544..753, 815..1102, 923..1093, 928..1101		
Seq. No.	50301	Seq. ID	OJ991110_11.0419.C48
Gene No.	106824	Strand	+
Start	118	End	1283
Name	OJ991110_11.0419.C48.o1.tm	Method	TBLASTX:Maize
Start	769	End	1247
GI	none	Score	74
Exons	769..837, 779..835, 836..1183, 922..1140, 1181..1246, 1191..1247		
Seq. No.	50301	Seq. ID	OJ991110_11.0419.C48
Gene No.	106824	Strand	+
Start	118	End	1283
Name	OJ991110_11.0419.C48.o1.ts	Method	TBLASTX:Soybean
Start	944	End	1244
GI	none	Score	197
Exons	944..1189, 961..1188, 1191..1244		
Seq. No.	50302	Seq. ID	OJ991110_11.0419.C49
Gene No.	106825	Strand	+
Start	1	End	162
Name	OJ991110_11.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	162
GI	4416302	Score	145
Exons	1..162		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	50303	Seq. ID	OJ991110_11.0419.C50
Gene No.	106826	Strand	-
Start	1	End	1888
Name	OJ991110_11.0419.C50.o1.np	Method	AAT/NAP
Start	1	End	1888
GI	4689454	Score	161
Exons	1..87, 148..641, 1838..1888		
GI Descrip.	(AC006267) putative polyprotein [Arabidopsis thaliana]		
Seq. No.	50303	Seq. ID	OJ991110_11.0419.C50
Gene No.	106826	Strand	-
Start	1	End	1888
Name	OJ991110_11.0419.C50.o2.np	Method	AAT/NAP
Start	1	End	717
GI	6705984	Score	266
Exons	1..717		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	50303	Seq. ID	OJ991110_11.0419.C50
Gene No.	106826	Strand	-

Start	1	End	1888
Name	OJ991110_11.0419.C50.o3.np	Method	AAT/NAP
Start	1	End	1888
GI	6815052	Score	207
Exons	1..153, 853..945, 1754..1888		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	50303	Seq. ID	OJ991110_11.0419.C50
Gene No.	106826	Strand	-
Start	1	End	1888
Name	OJ991110_11.0419.C50.o1.tw	Method	TBLASTX:Wheat
Start	148	End	642
GI	none	Score	61
Exons	148..438, 463..621, 463..642		

Seq. No.	50303	Seq. ID	OJ991110_11.0419.C50
Gene No.	106826	Strand	-
Start	1	End	1888
Name	OJ991110_11.0419.C50.o1.ts	Method	TBLASTX:Soybean
Start	250	End	624
GI	none	Score	86
Exons	250..444, 439..624		

Seq. No.	50303	Seq. ID	OJ991110_11.0419.C50
Gene No.	106826	Strand	-
Start	1	End	1888
Name	OJ991110_11.0419.C50.o1.gs	Method	GENSCAN
Start	597	End	735
GI	none	Score	.63
Exons	597..735		

Seq. No.	50304	Seq. ID	OJ991110_11.0419.C51
Gene No.	106827	Strand	-
Start	235	End	1296
Name	OJ991110_11.0419.C51.o1.gs	Method	GENSCAN
Start	235	End	935
GI	none	Score	.98
Exons	235..356, 782..935		

Seq. No.	50304	Seq. ID	OJ991110_11.0419.C51
Gene No.	106827	Strand	-
Start	235	End	1296
Name	OJ991110_11.0419.C51.o1.np	Method	AAT/NAP
Start	238	End	1296
GI	6815052	Score	396
Exons	238..356, 627..701, 782..946, 1244..1296		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	50305	Seq. ID	OJ991110_11.0419.C53
Gene No.	106828	Strand	+
Start	116	End	683
Name	OJ991110_11.0419.C53.o1.gs	Method	GENSCAN
Start	116	End	683
GI	none	Score	.49
Exons	116..139, 216..683		

Seq. No.	50306	Seq. ID	OJ991110_11.0419.C54

Gene No.	106829	Strand	+
Start	37	End	774
Name	OJ991110_11.0419.C54.o1.gs	Method	GENSCAN
Start	37	End	774
GI	none	Score	.85
Exons	37..246, 625..774		

Seq. No.	50307	Seq. ID	OJ991110_11.0419.C55
Gene No.	106830	Strand	+
Start	490	End	828
Name	OJ991110_11.0419.C55.o1.np	Method	AAT/NAP
Start	490	End	828
GI	7523502	Score	113
Exons	490..591, 775..828		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106831	Strand	+
Start	9	End	7426
Name	OJ991110_10.0421.C4.o1.gs	Method	GENSCAN
Start	9	End	7426
GI	none	Score	.61
Exons	9..106, 414..546, 1661..1713, 1801..1951, 4011..4068, 4573..5119, 6351..6531, 6767..6878, 7101..7281, 7372..7426		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106831	Strand	+
Start	9	End	7426
Name	OJ991110_10.0421.C4.o1.np	Method	AAT/NAP
Start	4764	End	6849
GI	6225938	Score	671
Exons	4764..5119, 6351..6531, 6811..6849		
GI Descrip.	RER1A PROTEIN (ATRER1A) gi|2865175|dbj|BAA24803| (AB010945) AtRer1A [Arabidopsis thaliana] gi|4914434|emb|CAB43637.1| (AL050351) AtRer1A [Arabidopsis thaliana]		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106831	Strand	+
Start	9	End	7426
Name	OJ991110_10.0421.C4.o1.gp	Method	AAT/GAP
Start	4777	End	6454
GI	LIB3433-014-Q6-K1-A2	Score	647
Exons	4777..4815, 4859..5119, 6351..6454		
GI Descrip.	'2865175/dbj|BAA24803| 4.0e-36 (AB010945) AtRer1A [Arabidopsis thaliana] >gi_4914434_emb_CAB43637.1_ (AL050351) AtRer1A [Arabidopsis thaliana]'		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106832	Strand	-
Start	6350	End	7061
Name	OJ991110_10.0421.C4.o2.gp	Method	AAT/GAP
Start	6350	End	7061
GI	15354_1.R1084	Score	723
Exons	6350..6532, 6810..7061		
GI Descrip.	'2865177/dbj|BAA24804| 1.0e-46 (AB010946) AtRer1B [Arabidopsis thaliana]'		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	4807	End	7000
GI	none	Score	94
Exons	4807..4878, 4808..4882, 4835..4954, 4836..5123, 5000..5119, 6346..6531, 6351..6530, 6893..6961, 6894..6962, 6897..6962, 6898..6990, 6913..6963, 6968..7000		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o1.tc	Method	TBLASTX:Cress
Start	4836	End	6531
GI	none	Score	181
Exons	4836..5024, 5018..5119, 5019..5123, 6346..6531, 6351..6530		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o1.ts	Method	TBLASTX:Soybean
Start	4836	End	6538
GI	none	Score	182
Exons	4836..5021, 5027..5119, 5040..5123, 6243..6314, 6346..6531, 6351..6530, 6425..6538		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o2.ts	Method	TBLASTX:Soybean
Start	7690	End	8119
GI	none	Score	95
Exons	7690..7848, 7960..8118, 7961..8119		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o2.gs	Method	GENSCAN
Start	7693	End	8070
GI	none	Score	.94
Exons	7693..7856, 7936..8070		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	7693	End	8086
GI	none	Score	72
Exons	7693..7782, 7696..7770, 7789..7848, 7960..8085, 7961..8086		

Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o2.np	Method	AAT/NAP
Start	7696	End	8120
GI	3415126	Score	254

Exons	7696..7876, 7955..8120		
GI Descrip.	(AF081678) phenylcoumaran benzylic ether reductase [Pinus taeda]		
Seq. No.	50308	Seq. ID	OJ991110_10.0421.C4
Gene No.	106833	Strand	-
Start	7693	End	8120
Name	OJ991110_10.0421.C4.o2.tc	Method	TBLASTX:Cress
Start	7699	End	8118
GI	none	Score	67
Exons	7699..7764, 7705..7845, 7960..8118, 7961..8104		
Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106834	Strand	+
Start	337	End	2707
Name	OJ991110_10.0421.C5.o1.gs	Method	GENSCAN
Start	337	End	904
GI	none	Score	.69
Exons	337..465, 854..904		
Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106834	Strand	+
Start	337	End	2707
Name	OJ991110_10.0421.C5.o1.np	Method	AAT/NAP
Start	367	End	2707
GI	4006833	Score	146
Exons	367..761, 2659..2707		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	379	End	714
GI	none	Score	94
Exons	379..570, 556..714, 657..713		
Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	396	End	792
GI	none	Score	229
Exons	396..791, 439..792		
Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o1.gp	Method	AAT/GAP
Start	3285	End	3824
GI	none	Score	790
Exons	3285..3665, 3783..3824		
Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o1.tc	Method	TBLASTX:Cress

Start	3490	End	4541
GI	none	Score	101
Exons	3490..3672, 3494..3667, 3748..4029, 3785..4030, 4039..4107, 4143..4235, 4147..4236, 4239..4541, 4240..4539		

Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	3502	End	4603
GI	none	Score	173
Exons	3502..3603, 3598..3672, 3736..4107, 3740..4108, 4152..4235, 4159..4236, 4239..4544, 4240..4545, 4556..4603		

Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o2.gs	Method	GENSCAN
Start	3502	End	4562
GI	none	Score	.83
Exons	3502..3665, 3783..4143, 4176..4562		

Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	3502	End	3934
GI	none	Score	81
Exons	3502..3591, 3503..3589, 3598..3666, 3598..3672, 3784..3933, 3785..3934		

Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o2.np	Method	AAT/NAP
Start	3505	End	4550
GI	1708421	Score	1027
Exons	3505..3665, 3783..4550		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG IRL gi|1205986 (U33318) sulfur starvation induced isoflavone reductase-like IRL [Zea mays]		

Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	4144	End	4541
GI	none	Score	104
Exons	4144..4236, 4154..4234, 4155..4235, 4239..4541, 4240..4539, 4461..4541		

Seq. No.	50309	Seq. ID	OJ991110_10.0421.C5
Gene No.	106835	Strand	-
Start	3285	End	4603
Name	OJ991110_10.0421.C5.o2.gp	Method	AAT/GAP
Start	4152	End	4599
GI	27194_1.R1084	Score	857
Exons	4152..4599		

GI Descrip.	'1708421/sp|P52580|IFRH_MAIZE 1.0e-42 ISOFLAVONE REDUCTASE HOMOLOG IRL >gi_1205986 (U33318) sulfur starvation induced isoflavone reductase-like IRL [Zea mays]'		
Seq. No.	50310	Seq. ID	OJ991110_10.0421.C6
Gene No.	106836	Strand	-
Start	989	End	3002
Name	OJ991110_10.0421.C6.o1.gp	Method	AAT/GAP
Start	940	End	1172
GI	LIB3434-055-P1-K1-C6	Score	436
Exons	940..1172		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	50310	Seq. ID	OJ991110_10.0421.C6
Gene No.	106836	Strand	-
Start	989	End	3002
Name	OJ991110_10.0421.C6.o1.gs	Method	GENSCAN
Start	989	End	1632
GI	none	Score	.9
Exons	989..1354, 1396..1632		
Seq. No.	50310	Seq. ID	OJ991110_10.0421.C6
Gene No.	106836	Strand	-
Start	989	End	3002
Name	OJ991110_10.0421.C6.o1.np	Method	AAT/NAP
Start	1262	End	3002
GI	3831447	Score	122
Exons	1262..1760, 2865..3002		
GI Descrip.	(AC005819) putative extensin [Arabidopsis thaliana]		
Seq. No.	50310	Seq. ID	OJ991110_10.0421.C6
Gene No.	106836	Strand	-
Start	989	End	3002
Name	OJ991110_10.0421.C6.o2.gs	Method	GENSCAN
Start	2115	End	2984
GI	none	Score	.59
Exons	2115..2984		
Seq. No.	50311	Seq. ID	OJ991110_10.0421.C7
Gene No.	106837	Strand	+
Start	282	End	27774
Name	OJ991110_10.0421.C7.o1.gs	Method	GENSCAN
Start	282	End	27774
GI	none	Score	.81
Exons	282..422, 1460..1621, 1700..1857, 2303..2433, 2508..2595, 2710..2813, 3469..3567, 4385..4460, 4642..4725, 5251..5325, 8272..8409, 9289..9476, 9714..10311, 11851..11976, 12170..12297, 13107..13263, 13630..13656, 13812..13862, 14413..14535, 14918..15103, 16298..16422, 16509..16578, 17093..17220, 17704..17845, 18358..18404, 18573..18771, 18877..19086, 19805..19876, 19955..20024, 20425..20533, 20640..20763, 20851..20982, 21371..21436, 21923..21970, 22897..22983, 23215..23517, 24354..24428, 24513..24635, 25273..25437, 25518..25619, 26662..26813, 26911..27112, 27196..27243, 27332..27415, 27730..27774		

Seq. No.	50311	Seq. ID	OJ991110_10.0421.C7
Gene No.	106837	Strand	+
Start	282	End	27774
Name	OJ991110_10.0421.C7.o1.np	Method	AAT/NAP
Start	16781	End	18472
GI	6723780	Score	73
Exons	16781..16981, 18369..18472		
GI Descrip.	(AJ271079) cytochrome b6 [Oenothera elata subsp. hookeri]		

Seq. No.	50311	Seq. ID	OJ991110_10.0421.C7
Gene No.	106838	Strand	-
Start	15631	End	15872
Name	OJ991110_10.0421.C7.o1.gp	Method	AAT/GAP
Start	15631	End	15872
GI	59410_1.R1084	Score	366
Exons	15631..15872		
GI Descrip.	'2499945/sp|Q42586|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		

Seq. No.	50311	Seq. ID	OJ991110_10.0421.C7
Gene No.	106839	Strand	
Start	26683	End	27031
Name	OJ991110_10.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	26683	End	27031
GI	none	Score	138
Exons	26683..26811, 26703..26813, 26908..27030, 26909..27031		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106840	Strand	+
Start	1	End	6698
Name	OJ991110_10.0421.C8.o1.np	Method	AAT/NAP
Start	1	End	6437
GI	7529272	Score	1801
Exons	1..173, 678..758, 832..921, 1005..1067, 2026..2166, 2282..2338, 2426..2485, 2879..2973, 3063..3171, 3855..3944, 4096..4175, 4268..4346, 4448..4494, 4592..4691, 4793..4924, 5123..5257, 5341..5406, 6105..6245, 6363..6437		
GI Descrip.	(AJ250248) ataxia-telangiectasia mutated protein (Atm) [Arabidopsis thaliana]		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106840	Strand	+
Start	1	End	6698
Name	OJ991110_10.0421.C8.o1.gs	Method	GENSCAN
Start	90	End	6698
GI	none	Score	.82
Exons	90..173, 832..921, 1005..1067, 2026..2166, 2282..2338, 2426..2485, 2879..2973, 3063..3171, 4096..4175, 4268..4346, 4793..4924, 5123..5257, 5341..5406, 6105..6245, 6363..6436, 6530..6698		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106840	Strand	+
Start	1	End	6698
Name	OJ991110_10.0421.C8.o1.gp	Method	AAT/GAP
Start	859	End	2508
GI	uC-osf1M202075g01b1	Score	678
Exons	859..921, 1005..1067, 2026..2166, 2282..2338, 2426..2508		
GI Descrip.	'5541725/emb|CAB51066.1| 1.0e-54 (AL096856) putative protein [Arabidopsis thaliana]'		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106841	Strand	+
Start	7699	End	10411
Name	OJ991110_10.0421.C8.o2.gp	Method	AAT/GAP
Start	7628	End	10317
GI	14933_1.R1084	Score	1552
Exons	7628..7858, 7955..8005, 8111..8170, 9745..9816, 9902..10317		
GI Descrip.	'4769004/gb|AAD29715.1|AF140598_1 9.0e-52 (AF140598) ring-box protein 1 [Homo sapiens] >gi_4769006_gb_AAD29716.1_AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] >gi_4809216_gb_AAD30146.1_AF142059_1 (AF142059) RING finger protein [Homo sapiens]'		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106841	Strand	+
Start	7699	End	10411
Name	OJ991110_10.0421.C8.o2.gs	Method	GENSCAN
Start	7699	End	10411
GI	none	Score	.59
Exons	7699..7858, 7955..8005, 8111..8170, 8496..8503, 9902..10064, 10350..10411		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106841	Strand	+
Start	7699	End	10411
Name	OJ991110_10.0421.C8.o2.np	Method	AAT/NAP
Start	7753	End	9936
GI	4769004	Score	397
Exons	7753..7858, 7955..8005, 8111..8170, 9745..9816, 9902..9936		
GI Descrip.	(AF140598) ring-box protein 1 [Homo sapiens] gi|4769006|gb|AAD29716.1|AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] gi|4809216|gb|AAD30146.1|AF142059_1 (AF142059) RING finger protein [Homo sapiens] gi|6572304|emb|CAB62925.1| (AL080242) bA554C12.1 (RBX1 or ROC1 (ring-box or ring finger protein 1)) [Homo sapiens]		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o5.tm	Method	TBLASTX:Maize
Start	88	End	942
GI	none	Score	68
Exons	88..174, 89..175, 90..176, 101..175, 674..754, 677..763, 678..761, 822..917, 826..921, 827..940, 828..905, 832..942		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-

Start	10526	End	16441
Name	OJ991110_10.0421.C8.o3.tc	Method	TBLASTX:Cress
Start	93	End	2461
GI	none	Score	63
Exons	93..143, 678..761, 827..898, 831..875, 831..917, 832..921, 998..1066, 1002..1073, 1007..1048, 1014..1109, 2023..2169, 2023..2133, 2025..2123, 2237..2338, 2281..2340, 2423..2461		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o4.tm	Method	TBLASTX:Maize
Start	1017	End	2458
GI	none	Score	72
Exons	1017..1073, 1020..1073, 2023..2160, 2023..2184, 2281..2319, 2285..2317, 2424..2456, 2426..2458		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o2.tm	Method	TBLASTX:Maize
Start	4451	End	4907
GI	none	Score	72
Exons	4451..4495, 4563..4694, 4566..4694, 4591..4695, 4592..4699, 4799..4906, 4801..4905, 4808..4906, 4812..4907		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o5.tc	Method	TBLASTX:Cress
Start	6129	End	6456
GI	none	Score	145
Exons	6129..6245, 6146..6244, 6167..6247, 6360..6440, 6361..6456		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o3.tm	Method	TBLASTX:Maize
Start	7698	End	10246
GI	none	Score	46
Exons	7698..7724, 7698..7724, 7699..7725, 7797..7862, 7798..7857, 7800..7871, 7954..8007, 7956..8006, 7982..8017, 8102..8173, 8103..8171, 8112..8198, 8113..8190, 9743..9820, 9744..9815, 9746..9820, 9899..9940, 9900..9938, 9901..9963, 9974..10039, 10002..10040, 10042..10104, 10049..10120, 10084..10113, 10204..10227, 10214..10246		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o2.ts	Method	TBLASTX:Soybean
Start	7801	End	9940
GI	none	Score	96
Exons	7801..7857, 7809..7853, 7954..8007, 7956..8003, 8102..8170, 8103..8171, 8112..8198, 8113..8190, 9743..9820, 9744..9815, 9749..9820, 9893..9940, 9901..9939		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o4.tc	Method	TBLASTX:Cress
Start	7801	End	9939
GI	none	Score	91
Exons	7801..7857, 7809..7862, 7954..8007, 7956..8003, 8102..8170, 8102..8170, 8112..8171, 8113..8190, 9743..9820, 9744..9770, 9768..9815, 9900..9932, 9901..9939		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o3.gp	Method	AAT/GAP
Start	10526	End	13171
GI	3387_1.R1084	Score	1757
Exons	10526..10935, 11790..11936, 12434..12555, 12725..12829, 12910..13021, 13101..13171		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	10748	End	16441
GI	none	Score	171
Exons	10748..10897, 10764..10928, 10765..10965, 10767..10937, 11789..11941, 11789..11941, 12431..12562, 12433..12585, 12434..12559, 12719..12844, 12721..12783, 12725..12838, 12899..13039, 12910..13023, 13099..13185, 13101..13169, 13102..13182, 13189..13221, 13386..13556, 13395..13556, 13396..13557, 14238..14321, 14258..14320, 14395..14529, 14397..14540, 14397..14552, 14617..14739, 14625..14726, 14993..15175, 14994..15176, 15007..15177, 16208..16276, 16268..16408, 16388..16441		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o3.np	Method	AAT/NAP
Start	10770	End	15064
GI	4886307	Score	1633
Exons	10770..10935, 11790..11936, 12434..12555, 12725..12829, 12910..13021, 13101..13168, 13404..13553, 14258..14320, 14403..14528, 14628..14714, 14993..15064		
GI Descrip.	(AJ242588) 1-deoxy-d-xylulose-5-phosphate reductoisomerase [Arabidopsis thaliana]		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	10785	End	15139
GI	none	Score	108
Exons	10785..10937, 10801..10965, 11789..11923, 11789..11938, 12430..12585, 12431..12556, 12719..12844, 12729..12845,		

12899..13039, 12910..13023, 13100..13165, 13101..13166,
13394..13519, 13404..13556, 13404..13556, 13405..13557,
14208..14318, 14258..14317, 14395..14523, 14397..14552,
14403..14537, 14625..14726, 14632..14715, 14993..15055,
14997..15056, 15062..15100, 15062..15139

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o3.gs	Method	GENSCAN
Start	10876	End	16275
GI	none	Score	.78
Exons	10876..10935, 12725..12829, 12877..13021, 13101..13168, 13404..13553, 14403..14528, 14628..14714, 14993..15174, 16185..16275		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	12719	End	13518
GI	none	Score	81
Exons	12719..12844, 12725..12838, 12729..12845, 12899..13039, 12908..13021, 12910..13023, 13100..13168, 13101..13169, 13104..13175, 13395..13445, 13405..13434, 13440..13517, 13441..13518		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o2.tc	Method	TBLASTX:Cress
Start	14241	End	15110
GI	none	Score	91
Exons	14241..14321, 14258..14320, 14395..14529, 14397..14552, 14617..14715, 14625..14726, 14993..15094, 14993..15109, 14997..15110		

Seq. No.	50312	Seq. ID	OJ991110_10.0421.C8
Gene No.	106842	Strand	-
Start	10526	End	16441
Name	OJ991110_10.0421.C8.o4.gp	Method	AAT/GAP
Start	14437	End	16316
GI	45537_1.R1084	Score	918
Exons	14437..14528, 14628..14714, 14993..15174, 16185..16316		
GI Descrip.	'4581856/gb|AAD24768.1|AF116825_1 1.0e-44 (AF116825) 1-deoxy-D-xylulose-5-phosphate reductoisomerase [Mentha x piperita]'		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106843	Strand	-
Start	985	End	5255
Name	OJ991110_10.0421.C9.o1.gs	Method	GENSCAN
Start	985	End	5222
GI	none	Score	.67
Exons	985..1060, 2169..2397, 2591..2661, 2772..2843, 3050..3199, 3307..3490, 3575..3750, 4221..4269, 4398..4597, 5189..5222		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106843	Strand	-
Start	985	End	5255
Name	OJ991110_10.0421.C9.o1.np	Method	AAT/NAP
Start	2480	End	4613
GI	4758896	Score	71
Exons	2480..2512, 4404..4613		
GI Descrip.	peroxisomal biogenesis factor 14 gi|6919940|sp|O75381|PEXE_HUMAN PEROXISOMAL MEMBRANE PROTEIN PEX14 (PEROXIN-14) (PEROXISOMAL MEMBRANE ANCHOR PROTEIN PEX14) (PTS1 RECEPTOR DOCKING PROTEIN) gi|3253296 (AF045186) peroxisomal membrane anchor protein HsPex14p [Homo sapiens] gi|4126966|dbj|BAA36837.1| (AB017546) peroxisomal membrane anchor protein [Homo sapiens]		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106843	Strand	-
Start	985	End	5255
Name	OJ991110_10.0421.C9.o1.gp	Method	AAT/GAP
Start	3403	End	5255
GI	none	Score	1017
Exons	3403..3490, 3575..3750, 4221..4269, 4398..4597, 5189..5255		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106844	Strand	-
Start	5888	End	6006
Name	OJ991110_10.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	2233	End	3512
GI	none	Score	89
Exons	2233..2313, 2237..2314, 2452..2508, 2608..2700, 2944..2976, 3051..3128, 3108..3200, 3112..3201, 3116..3202, 3307..3492, 3308..3505, 3309..3512		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106844	Strand	-
Start	5888	End	6006
Name	OJ991110_10.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	4396	End	4575
GI	none	Score	183
Exons	4396..4575, 4398..4574		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106844	Strand	-
Start	5888	End	6006
Name	OJ991110_10.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	4397	End	4616
GI	none	Score	218
Exons	4397..4600, 4407..4595, 4408..4596, 4410..4616		

Seq. No.	50313	Seq. ID	OJ991110_10.0421.C9
Gene No.	106844	Strand	-
Start	5888	End	6006
Name	OJ991110_10.0421.C9.o2.gs	Method	GENSCAN
Start	5888	End	6006
GI	none	Score	.98
Exons	5888..6006		

Seq. No.	50314	Seq. ID	OJ991110_10.0421.C10

Gene No.	106845	Strand	-
Start	4549	End	4698
Name	OJ991110_10.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	4104	End	4698
GI	none	Score	55
Exons	4104..4223, 4115..4222, 4234..4371, 4301..4342, 4376..4453, 4422..4454, 4462..4485, 4462..4485, 4466..4486, 4546..4698, 4547..4693, 4554..4697		

Seq. No.	50314	Seq. ID	OJ991110_10.0421.C10
Gene No.	106845	Strand	-
Start	4549	End	4698
Name	OJ991110_10.0421.C10.o1.np	Method	AAT/NAP
Start	4549	End	4698
GI	6002443	Score	104
Exons	4549..4698		
GI Descrip.	(AB025550) src-like B [Lampetra reissneri]		

Seq. No.	50314	Seq. ID	OJ991110_10.0421.C10
Gene No.	106845	Strand	-
Start	4549	End	4698
Name	OJ991110_10.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	4549	End	4698
GI	none	Score	59
Exons	4549..4698, 4567..4653, 4628..4687		

Seq. No.	50315	Seq. ID	OJ991110_10.0421.C11
Gene No.	106846	Strand	-
Start	143	End	3789
Name	OJ991110_10.0421.C11.o1.np	Method	AAT/NAP
Start	143	End	3789
GI	7488256	Score	720
Exons	143..649, 2602..2817, 2994..3131, 3697..3789		
GI Descrip.	protein kinase homolog F24O1.13 - Arabidopsis thaliana gi|2781357|gb|AAB96858.1| (AC003113) F24O1.13 [Arabidopsis thaliana]		

Seq. No.	50315	Seq. ID	OJ991110_10.0421.C11
Gene No.	106846	Strand	-
Start	143	End	3789
Name	OJ991110_10.0421.C11.o1.ts	Method	TBLASTX:Soybean
Start	173	End	2820
GI	none	Score	105
Exons	173..349, 194..658, 204..518, 567..650, 2605..2721, 2695..2820		

Seq. No.	50315	Seq. ID	OJ991110_10.0421.C11
Gene No.	106846	Strand	-
Start	143	End	3789
Name	OJ991110_10.0421.C11.o1.tm	Method	TBLASTX:Maize
Start	174	End	487
GI	none	Score	410
Exons	174..485, 194..487, 194..487		

Seq. No.	50315	Seq. ID	OJ991110_10.0421.C11
Gene No.	106846	Strand	-
Start	143	End	3789
Name	OJ991110_10.0421.C11.o1.tc	Method	TBLASTX:Cress

Start	239	End	641
GI	none	Score	135
Exons	239..640, 242..514, 243..641		

Seq. No.	50315	Seq. ID	OJ991110_10.0421.C11
Gene No.	106846	Strand	-
Start	143	End	3789
Name	OJ991110_10.0421.C11.o1.tw	Method	TBLASTX:Wheat
Start	261	End	613
GI	none	Score	45
Exons	261..296, 263..364, 330..374,	380..613,	381..605

Seq. No.	50315	Seq. ID	OJ991110_10.0421.C11
Gene No.	106846	Strand	-
Start	143	End	3789
Name	OJ991110_10.0421.C11.o2.tm	Method	TBLASTX:Maize
Start	2734	End	2926
GI	none	Score	206
Exons	2734..2925, 2741..2926		

Seq. No.	50316	Seq. ID	OJ991110_10.0421.C12
Gene No.	106847	Strand	+
Start	6398	End	6613
Name	OJ991110_10.0421.C12.o1.gp	Method	AAT/GAP
Start	6398	End	6613
GI	43392_1.R1084	Score	359
Exons	6398..6613		
GI Descrip.	'5668772/gb|AAD45999.1|AC005916_11 9.0e-28 (AC005916) Similar to gb_Z84571 anthranilate N-hydroxycinnamoyl/benzoyltransferase from Dianthus caryophyllus. [Arabidopsis thaliana]'		

Seq. No.	50316	Seq. ID	OJ991110_10.0421.C12
Gene No.	106848	Strand	-
Start	816	End	6613
Name	OJ991110_10.0421.C12.o1.np	Method	AAT/NAP
Start	816	End	5906
GI	4680203	Score	706
Exons	816..916, 3611..4649,	5852..5906	
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	50316	Seq. ID	OJ991110_10.0421.C12
Gene No.	106848	Strand	-
Start	816	End	6613
Name	OJ991110_10.0421.C12.o1.ts	Method	TBLASTX:Soybean
Start	3612	End	4016
GI	none	Score	97
Exons	3612..3845, 3613..3846, 3895..4014,	3896..4015,	3897..4016

Seq. No.	50316	Seq. ID	OJ991110_10.0421.C12
Gene No.	106848	Strand	-
Start	816	End	6613
Name	OJ991110_10.0421.C12.o1.tc	Method	TBLASTX:Cress
Start	3615	End	3849
GI	none	Score	58
Exons	3615..3848, 3616..3675, 3712..3849		

Seq. No.	50316	Seq. ID	OJ991110_10.0421.C12

Gene No.	106848	Strand	-
Start	816	End	6613
Name	OJ991110_10.0421.C12.o1.tw	Method	TBLASTX:Wheat
Start	3615	End	4295
GI	none	Score	64
Exons	3615..3740, 3744..3848, 3754..3849, 3895..4056, 3897..4295		

Seq. No.	50316	Seq. ID	OJ991110_10.0421.C12
Gene No.	106848	Strand	-
Start	816	End	6613
Name	OJ991110_10.0421.C12.o2.np	Method	AAT/NAP
Start	4454	End	6613
GI	5668772	Score	118
Exons	4454..4499, 6394..6613		
GI Descrip.	(AC005916) Similar to gb|Z84571 anthranilate N-hydroxycinnamoyl/benzoyltransferase from Dianthus caryophyllus. [Arabidopsis thaliana] gi|6693014|gb|AAF24940.1|AC012375_3 (AC012375) T22C5.6 [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o4.np	Method	AAT/NAP
Start	1	End	24233
GI	6714288	Score	303
Exons	1..44, 7253..7503, 7577..7684, 7785..7877, 14724..14782, 22047..22088, 24146..24233		
GI Descrip.	(AC013354) F15H18.12 [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o1.gs	Method	GENSCAN
Start	68	End	615
GI	none	Score	.5
Exons	68..615		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o2.np	Method	AAT/NAP
Start	5268	End	9476
GI	2827143	Score	132
Exons	5268..5540, 9425..9476		
GI Descrip.	(AF027174) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o1.gp	Method	AAT/GAP
Start	5447	End	5501
GI	uC-osflcyp120f01b1	Score	79
Exons	5447..5501		
GI Descrip.	'2827143 2.0e-31 (AF027174) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o3.np	Method	AAT/NAP
Start	6169	End	8778
GI	5932533	Score	68
Exons	6169..6443, 8698..8778		
GI Descrip.	(AC009465) putative sodium proton exchanger [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o4.gs	Method	GENSCAN
Start	7501	End	8456
GI	none	Score	.62
Exons	7501..7503, 7577..7708, 7788..7877, 8331..8456		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o6.np	Method	AAT/NAP
Start	17271	End	22424
GI	6693018	Score	211
Exons	17271..17419, 21568..21646, 21762..21827, 21921..21989, 22284..22424		
GI Descrip.	(AC012375) T22C5.11 [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o6.gs	Method	GENSCAN
Start	17730	End	21985
GI	none	Score	.71
Exons	17730..17844, 18506..18608, 19286..19399, 19909..20437, 21023..21063, 21474..21646, 21975..21985		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106849	Strand	+
Start	1	End	24233
Name	OJ991110_10.0421.C13.o3.gp	Method	AAT/GAP
Start	23216	End	23342
GI	2275924	Score	210
Exons	23216..23342		
GI Descrip.	4581114/gb|AAD24604.1|AC005825_11 2.0e-28 (AC005825) putative HesB-like protein;required for efficient nitrogen fixation in Cyanobacteria [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106850	Strand	-
Start	839	End	3906
Name	OJ991110_10.0421.C13.o1.np	Method	AAT/NAP
Start	834	End	3906
GI	7340884	Score	1483
Exons	834..1795, 1842..2940, 3551..3906		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for		

transposase. (AB013982) [Oryza sativa]

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106850	Strand	-
Start	839	End	3906
Name	OJ991110_10.0421.C13.o2.gs	Method	GENSCAN
Start	839	End	2974
GI	none	Score	.69
Exons	839..1071, 1297..1469, 1899..2974		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106851	Strand	-
Start	8740	End	15538
Name	OJ991110_10.0421.C13.o5.gs	Method	GENSCAN
Start	8740	End	15538
GI	none	Score	.55
Exons	8740..9228, 9577..9894, 10295..10468, 11022..11100, 15492..15538		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106851	Strand	-
Start	8740	End	15538
Name	OJ991110_10.0421.C13.o5.np	Method	AAT/NAP
Start	13070	End	14320
GI	5852093	Score	56
Exons	13070..13133, 14218..14320		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106852	Strand	-
Start	16079	End	16174
Name	OJ991110_10.0421.C13.o2.gp	Method	AAT/GAP
Start	16079	End	16174
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	16079..16174		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	935	End	2392
GI	none	Score	70
Exons	935..1132, 1008..1118, 1463..1576, 1568..1717, 1793..1855, 1943..2059, 1961..2044, 2081..2311, 2088..2252, 2351..2392		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o3.tm	Method	TBLASTX:Maize
Start	2393	End	2683
GI	none	Score	124
Exons	2393..2578, 2394..2597, 2615..2683, 2622..2663		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-

Start	23052	End	23372
Name	OJ991110_10.0421.C13.o2.tm	Method	TBLASTX:Maize
Start	5292	End	5524
GI	none	Score	58
Exons	5292..5384, 5347..5391, 5389..5514, 5390..5524		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o2.tc	Method	TBLASTX:Cress
Start	5398	End	5524
GI	none	Score	189
Exons	5398..5505, 5399..5524		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o3.ts	Method	TBLASTX:Soybean
Start	5405	End	5565
GI	none	Score	189
Exons	5405..5524, 5410..5565		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o2.ts	Method	TBLASTX:Soybean
Start	7302	End	7645
GI	none	Score	190
Exons	7302..7445, 7310..7444, 7446..7520, 7447..7512, 7570..7641, 7577..7645		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o7.np	Method	AAT/NAP
Start	23046	End	23349
GI	4581114	Score	260
Exons	23046..23145, 23224..23349		
GI Descrip.	(AC005825) putative HesB-like protein [Arabidopsis thaliana]		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o7.gs	Method	GENSCAN
Start	23052	End	23372
GI	none	Score	.73
Exons	23052..23145, 23224..23372		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	23059	End	23348
GI	none	Score	108
Exons	23059..23139, 23061..23144, 23062..23148, 23082..23147, 23221..23277, 23223..23348, 23232..23342		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	23076	End	23348
GI	none	Score	64
Exons	23076..23138, 23077..23148, 23082..23147, 23221..23277, 23223..23348, 23232..23342		

Seq. No.	50317	Seq. ID	OJ991110_10.0421.C13
Gene No.	106853	Strand	-
Start	23052	End	23372
Name	OJ991110_10.0421.C13.o4.tm	Method	TBLASTX:Maize
Start	23232	End	23349
GI	none	Score	126
Exons	23232..23342, 23232..23348, 23233..23349		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o1.gp	Method	AAT/GAP
Start	557	End	766
GI	3762937	Score	412
Exons	557..766		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o1.tm	Method	TBLASTX:Maize
Start	565	End	1250
GI	none	Score	387
Exons	565..843, 566..859, 1002..1115, 1003..1071, 1003..1122, 1203..1250, 1214..1249		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o1.gs	Method	GENSCAN
Start	571	End	1458
GI	none	Score	.78
Exons	571..819, 1005..1116, 1204..1301, 1381..1458		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o2.tc	Method	TBLASTX:Cress
Start	571	End	766
GI	none	Score	194
Exons	571..750, 584..748, 691..765, 722..766		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o1.ts	Method	TBLASTX:Soybean
Start	583	End	1070
GI	none	Score	248
Exons	583..843, 584..811, 1002..1070, 1009..1068		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o2.gp	Method	AAT/GAP
Start	1039	End	1682
GI	15538_1.R1084	Score	539
Exons	1039..1116, 1204..1301, 1381..1488, 1629..1682		
GI Descrip.	'4581114/gb|AAD24604.1|AC005825_11 2.0e-28 (AC005825) putative HesB-like protein;required for efficient nitrogen fixation in Cyanobacteria [Arabidopsis thaliana]'		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o1.tc	Method	TBLASTX:Cress
Start	1044	End	1491
GI	none	Score	44
Exons	1044..1118, 1045..1131, 1197..1304, 1206..1304, 1207..1329, 1378..1491, 1382..1489		

Seq. No.	50318	Seq. ID	OJ991110_10.0421.C14
Gene No.	106854	Strand	-
Start	571	End	1682
Name	OJ991110_10.0421.C14.o2.tm	Method	TBLASTX:Maize
Start	1250	End	1671
GI	none	Score	52
Exons	1250..1318, 1251..1304, 1252..1329, 1255..1341, 1328..1489, 1378..1491, 1381..1491, 1629..1670, 1630..1671		

Seq. No.	50319	Seq. ID	OJ991110_10.0421.C19
Gene No.	106855	Strand	-
Start	34	End	306
Name	OJ991110_10.0421.C19.o1.gs	Method	GENSCAN
Start	34	End	306
GI	none	Score	.65
Exons	34..306		

Seq. No.	50320	Seq. ID	OJ991110_10.0421.C20
Gene No.	106856	Strand	-
Start	297	End	739
Name	OJ991110_10.0421.C20.o1.np	Method	AAT/NAP
Start	297	End	739
GI	5852178	Score	118
Exons	297..391, 602..739		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	50321	Seq. ID	OJ991110_10.0421.C21
Gene No.	106857	Strand	-
Start	1	End	880
Name	OJ991110_10.0421.C21.o1.np	Method	AAT/NAP
Start	1	End	880
GI	5852180	Score	247
Exons	1..171, 223..345, 848..880		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	50321	Seq. ID	OJ991110_10.0421.C21

Gene No.	106857	Strand	-
Start	1	End	880
Name	OJ991110_10.0421.C21.o1.gs	Method	GENSCAN
Start	524	End	656
GI	none	Score	.52
Exons	524..656		

Seq. No.	50322	Seq. ID	OJ991110_10.0421.C22
Gene No.	106858	Strand	-
Start	682	End	948
Name	OJ991110_10.0421.C22.o1.gs	Method	GENSCAN
Start	682	End	948
GI	none	Score	.71
Exons	682..948		

Seq. No.	50323	Seq. ID	OJ991110_10.0421.C23
Gene No.	106859	Strand	+
Start	1	End	220
Name	OJ991110_10.0421.C23.o1.gs	Method	GENSCAN
Start	1	End	220
GI	none	Score	.7
Exons	1..55, 216..220		

Seq. No.	50323	Seq. ID	OJ991110_10.0421.C23
Gene No.	106860	Strand	+
Start	1481	End	1702
Name	OJ991110_10.0421.C23.o2.gs	Method	GENSCAN
Start	1481	End	1702
GI	none	Score	.86
Exons	1481..1702		

Seq. No.	50323	Seq. ID	OJ991110_10.0421.C23
Gene No.	106861	Strand	-
Start	1142	End	1571
Name	OJ991110_10.0421.C23.o1.np	Method	AAT/NAP
Start	1142	End	1571
GI	6539570	Score	211
Exons	1142..1208, 1369..1571		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	50323	Seq. ID	OJ991110_10.0421.C23
Gene No.	106862	Strand	-
Start	1698	End	1775
Name	OJ991110_10.0421.C23.o2.np	Method	AAT/NAP
Start	1698	End	1775
GI	6630699	Score	86
Exons	1698..1775		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	50324	Seq. ID	OJ991110_10.0421.C24
Gene No.	106863	Strand	-
Start	108	End	538
Name	OJ991110_10.0421.C24.o1.gs	Method	GENSCAN
Start	108	End	538
GI	none	Score	.65

Exons	108..538		
Seq. No.	50325	Seq. ID	OJ991110_10.0421.C26
Gene No.	106864	Strand	+
Start	1	End	743
Name	OJ991110_10.0421.C26.o1.np	Method	AAT/NAP
Start	1	End	743
GI	6907087	Score	524
Exons	1..352, 550..743		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	50325	Seq. ID	OJ991110_10.0421.C26
Gene No.	106864	Strand	+
Start	1	End	743
Name	OJ991110_10.0421.C26.o1.gs	Method	GENSCAN
Start	210	End	706
GI	none	Score	.73
Exons	210..545, 588..706		
Seq. No.	50326	Seq. ID	OJ991110_10.0421.C27
Gene No.	106865	Strand	+
Start	1	End	1069
Name	OJ991110_10.0421.C27.o1.np	Method	AAT/NAP
Start	1	End	729
GI	1399945	Score	40
Exons	1..263, 304..388, 665..729		
GI Descrip.	(U60194) RNA helicase GLH-2 [Caenorhabditis elegans] gi|1405387 (U60449) GLH-2 [Caenorhabditis elegans]		
Seq. No.	50326	Seq. ID	OJ991110_10.0421.C27
Gene No.	106865	Strand	+
Start	1	End	1069
Name	OJ991110_10.0421.C27.o1.gs	Method	GENSCAN
Start	185	End	1069
GI	none	Score	.91
Exons	185..805, 914..1069		
Seq. No.	50327	Seq. ID	OJ991110_10.0421.C28
Gene No.	106866	Strand	+
Start	4269	End	4653
Name	OJ991110_10.0421.C28.o1.gp	Method	AAT/GAP
Start	4269	End	4653
GI	uC-osflcyp033a04b1	Score	656
Exons	4269..4653		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	50327	Seq. ID	OJ991110_10.0421.C28
Gene No.	106867	Strand	-
Start	1	End	5089
Name	OJ991110_10.0421.C28.o1.np	Method	AAT/NAP
Start	1	End	5089
GI	5852180	Score	824
Exons	1..33, 2137..2236, 2942..3350, 3402..3518, 4502..4561, 5066..5089		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	50327	Seq. ID	OJ991110_10.0421.C28
Gene No.	106867	Strand	-
Start	1	End	5089
Name	OJ991110_10.0421.C28.o2.gs	Method	GENSCAN
Start	2888	End	3518
GI	none	Score	.62
Exons	2888..3350, 3402..3518		

Seq. No.	50328	Seq. ID	OJ991110_10.0421.C29
Gene No.	106868	Strand	+
Start	604	End	1434
Name	OJ991110_10.0421.C29.o1.gp	Method	AAT/GAP
Start	604	End	988
GI	uC-osflcyp033a04b1	Score	642
Exons	604..988		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	50328	Seq. ID	OJ991110_10.0421.C29
Gene No.	106868	Strand	+
Start	604	End	1434
Name	OJ991110_10.0421.C29.o1.gs	Method	GENSCAN
Start	709	End	1434
GI	none	Score	.73
Exons	709..802, 1406..1434		

Seq. No.	50328	Seq. ID	OJ991110_10.0421.C29
Gene No.	106869	Strand	-
Start	533	End	2500
Name	OJ991110_10.0421.C29.o1.np	Method	AAT/NAP
Start	533	End	2486
GI	4680186	Score	224
Exons	533..737, 2442..2486		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	50328	Seq. ID	OJ991110_10.0421.C29
Gene No.	106869	Strand	-
Start	533	End	2500
Name	OJ991110_10.0421.C29.o2.gs	Method	GENSCAN
Start	1837	End	2500
GI	none	Score	.53
Exons	1837..1939, 2275..2332, 2446..2500		

Seq. No.	50329	Seq. ID	OJ991110_10.0421.C30
Gene No.	106870	Strand	+
Start	688	End	1071
Name	OJ991110_10.0421.C30.o1.gp	Method	AAT/GAP
Start	688	End	1071
GI	uC-osflcyp033a04b1	Score	677
Exons	688..1071		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	50329	Seq. ID	OJ991110_10.0421.C30
Gene No.	106871	Strand	-

Start	621	End	1782
Name	OJ991110_10.0421.C30.o1.np	Method	AAT/NAP
Start	621	End	1782
GI	4680186	Score	349
Exons	621..822, 1661..1782		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50330	Seq. ID	OJ991110_10.0421.C32
Gene No.	106872	Strand	-
Start	1	End	1689
Name	OJ991110_10.0421.C32.o1.np	Method	AAT/NAP
Start	1	End	1689
GI	5852179	Score	277
Exons	1..22, 1141..1372, 1447..1689		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	50331	Seq. ID	OJ991110_10.0421.C33
Gene No.	106873	Strand	+
Start	1	End	298
Name	OJ991110_10.0421.C33.o1.np	Method	AAT/NAP
Start	1	End	298
GI	6063554	Score	128
Exons	1..35, 124..298		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	50331	Seq. ID	OJ991110_10.0421.C33
Gene No.	106874	Strand	+
Start	661	End	947
Name	OJ991110_10.0421.C33.o1.gp	Method	AAT/GAP
Start	661	End	947
GI	61605_3.R1084	Score	335
Exons	661..947		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	50331	Seq. ID	OJ991110_10.0421.C33
Gene No.	106875	Strand	-
Start	31	End	111
Name	OJ991110_10.0421.C33.o1.gs	Method	GENSCAN
Start	31	End	111
GI	none	Score	.44
Exons	31..111		

Seq. No.	50331	Seq. ID	OJ991110_10.0421.C33
Gene No.	106876	Strand	-
Start	2255	End	2728
Name	OJ991110_10.0421.C33.o2.gs	Method	GENSCAN
Start	2255	End	2570
GI	none	Score	.94
Exons	2255..2570		

Seq. No.	50331	Seq. ID	OJ991110_10.0421.C33
Gene No.	106876	Strand	-
Start	2255	End	2728
Name	OJ991110_10.0421.C33.o2.np	Method	AAT/NAP

Start	2257	End	2728
GI	7489454	Score	142
Exons	2257..2728		
GI Descrip.	bacterial blight-resistance protein Xa1 - rice gi|2943742|dbj|BAA25068.1| (AB002266) XA1 [Oryza sativa]		

Seq. No.	50331	Seq. ID	OJ991110_10.0421.C33
Gene No.	106876	Strand	-
Start	2255	End	2728
Name	OJ991110_10.0421.C33.o1.tm	Method	TBLASTX:Maize
Start	2341	End	2716
GI	none	Score	72
Exons	2341..2580, 2342..2578, 2424..2582, 2579..2653, 2580..2651, 2645..2716		

Seq. No.	50332	Seq. ID	OJ991110_10.0421.C34
Gene No.	106877	Strand	-
Start	1	End	1069
Name	OJ991110_10.0421.C34.o1.np	Method	AAT/NAP
Start	1	End	1069
GI	5702196	Score	256
Exons	1..684, 1021..1069		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	50332	Seq. ID	OJ991110_10.0421.C34
Gene No.	106877	Strand	-
Start	1	End	1069
Name	OJ991110_10.0421.C34.o1.tm	Method	TBLASTX:Maize
Start	16	End	294
GI	none	Score	92
Exons	16..294, 17..283		

Seq. No.	50333	Seq. ID	OJ991110_10.0421.C35
Gene No.	106878	Strand	+
Start	23	End	906
Name	OJ991110_10.0421.C35.o1.gs	Method	GENSCAN
Start	23	End	906
GI	none	Score	.44
Exons	23..88, 121..906		

Seq. No.	50333	Seq. ID	OJ991110_10.0421.C35
Gene No.	106878	Strand	+
Start	23	End	906
Name	OJ991110_10.0421.C35.o1.tw	Method	TBLASTX:Wheat
Start	96	End	459
GI	none	Score	133
Exons	96..230, 97..231, 234..458, 235..459		

Seq. No.	50333	Seq. ID	OJ991110_10.0421.C35
Gene No.	106878	Strand	+
Start	23	End	906
Name	OJ991110_10.0421.C35.o1.np	Method	AAT/NAP
Start	141	End	762
GI	6862956	Score	395
Exons	141..762		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50333	Seq. ID	OJ991110_10.0421.C35
Gene No.	106878	Strand	+
Start	23	End	906
Name	OJ991110_10.0421.C35.o1.tm	Method	TBLASTX:Maize
Start	324	End	654
GI	none	Score	468
Exons	324..653, 343..654		

Seq. No.	50333	Seq. ID	OJ991110_10.0421.C35
Gene No.	106878	Strand	+
Start	23	End	906
Name	OJ991110_10.0421.C35.o1.tc	Method	TBLASTX:Cress
Start	336	End	579
GI	none	Score	197
Exons	336..536, 343..579		

Seq. No.	50334	Seq. ID	OJ991110_10.0421.C36
Gene No.	106879	Strand	-
Start	13	End	654
Name	OJ991110_10.0421.C36.o1.gs	Method	GENSCAN
Start	13	End	654
GI	none	Score	.45
Exons	13..27, 643..654		

Seq. No.	50334	Seq. ID	OJ991110_10.0421.C36
Gene No.	106880	Strand	-
Start	1187	End	1346
Name	OJ991110_10.0421.C36.o1.gp	Method	AAT/GAP
Start	1187	End	1346
GI	uC-osflm202104a07b1	Score	145
Exons	1187..1346		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	50335	Seq. ID	OJ991110_10.0421.C37
Gene No.	106881	Strand	+
Start	365	End	737
Name	OJ991110_10.0421.C37.o1.gs	Method	GENSCAN
Start	365	End	615
GI	none	Score	.81
Exons	365..371, 443..615		

Seq. No.	50335	Seq. ID	OJ991110_10.0421.C37
Gene No.	106881	Strand	+
Start	365	End	737
Name	OJ991110_10.0421.C37.o1.np	Method	AAT/NAP
Start	430	End	737
GI	7442030	Score	168
Exons	430..737		
GI Descrip.	globulin 1 precursor - rice (fragment) gi|2944437|gb|AAC32819.1| (AF051153) globulin 1 precursor [Oryza sativa]		

Seq. No.	50336	Seq. ID	OJ991110_10.0421.C38
Gene No.	106882	Strand	+
Start	1	End	1034
Name	OJ991110_10.0421.C38.o2.np	Method	AAT/NAP
Start	1	End	1034

GI	6705984	Score	269
Exons	1..48, 512..1034		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	50336	Seq. ID	OJ991110_10.0421.C38
Gene No.	106882	Strand	+
Start	1	End	1034
Name	OJ991110_10.0421.C38.o1.np	Method	AAT/NAP
Start	276	End	1034
GI	6815052	Score	87
Exons	276..374, 991..1034		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	50336	Seq. ID	OJ991110_10.0421.C38
Gene No.	106882	Strand	+
Start	1	End	1034
Name	OJ991110_10.0421.C38.o1.tw	Method	TBLASTX:Wheat
Start	608	End	1032
GI	none	Score	189
Exons	608..952, 632..898, 844..936, 945..1031, 946..1032		

Seq. No.	50337	Seq. ID	OJ991110_10.0421.C39
Gene No.	106883	Strand	+
Start	1	End	866
Name	OJ991110_10.0421.C39.o1.np	Method	AAT/NAP
Start	1	End	866
GI	6815052	Score	812
Exons	1..414, 496..576, 838..866		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	50337	Seq. ID	OJ991110_10.0421.C39
Gene No.	106883	Strand	+
Start	1	End	866
Name	OJ991110_10.0421.C39.o1.gs	Method	GENSCAN
Start	56	End	570
GI	none	Score	.81
Exons	56..570		

Seq. No.	50338	Seq. ID	OJ991110_10.0421.C40
Gene No.	106884	Strand	-
Start	272	End	685
Name	OJ991110_10.0421.C40.o1.gs	Method	GENSCAN
Start	272	End	685
GI	none	Score	.88
Exons	272..685		

Seq. No.	50339	Seq. ID	OJ991110_04.0419.C2
Gene No.	106885	Strand	+
Start	1	End	212
Name	OJ991110_04.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	212
GI	128855	Score	151
Exons	1..212		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi|1363530|pir||S58555 ndhJ protein - maize chloroplast gi|12428|emb|CAA35483| (X17438) ORF 159 (AA 1 - 159) [Zea mays] gi|902225|emb|CAA60289| (X86563) ndhJ [Zea mays]		

Seq. No.	50339	Seq. ID	OJ991110_04.0419.C2
Gene No.	106886	Strand	-
Start	321	End	766
Name	OJ991110_04.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	144
GI	none	Score	70
Exons	1..57, 1..57, 2..58, 3..62, 3..62, 58..144, 61..129		

Seq. No.	50339	Seq. ID	OJ991110_04.0419.C2
Gene No.	106886	Strand	-
Start	321	End	766
Name	OJ991110_04.0419.C2.o1.gs	Method	GENSCAN
Start	321	End	692
GI	none	Score	.56
Exons	321..396, 486..692		

Seq. No.	50339	Seq. ID	OJ991110_04.0419.C2
Gene No.	106886	Strand	-
Start	321	End	766
Name	OJ991110_04.0419.C2.o2.np	Method	AAT/NAP
Start	558	End	766
GI	7020641	Score	58
Exons	558..766		
GI Descrip.	(AK000505) unnamed protein product [Homo sapiens]		

Seq. No.	50340	Seq. ID	OJ991110_04.0419.C3
Gene No.	106887	Strand	-
Start	2580	End	5018
Name	OJ991110_04.0419.C3.o2.gs	Method	GENSCAN
Start	2580	End	5018
GI	none	Score	.71
Exons	2580..2910, 4886..5018		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106888	Strand	+
Start	1329	End	2303
Name	OJ991110_04.0419.C4.o1.gs	Method	GENSCAN
Start	1329	End	2303
GI	none	Score	.93
Exons	1329..1340, 2214..2303		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106889	Strand	+
Start	3867	End	6217
Name	OJ991110_04.0419.C4.o2.gs	Method	GENSCAN
Start	3867	End	4793
GI	none	Score	.81
Exons	3867..4793		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106889	Strand	+
Start	3867	End	6217
Name	OJ991110_04.0419.C4.o1.np	Method	AAT/NAP
Start	3879	End	6217
GI	5713172	Score	394
Exons	3879..4797, 6068..6217		

GI Descrip. (AF166332) cytochrome P450 [Nicotiana tabacum]

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106890	Strand	+
Start	6141	End	6217
Name	OJ991110_04.0419.C4.o1.gp	Method	AAT/GAP
Start	6141	End	6217
GI	uC-osf1cyp172a09a1	Score	137
Exons	6141..6217		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106891	Strand	-
Start	4453	End	6217
Name	OJ991110_04.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	4020	End	4418
GI	none	Score	149
Exons	4020..4211, 4230..4418, 4232..4324		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106891	Strand	-
Start	4453	End	6217
Name	OJ991110_04.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	4047	End	4382
GI	none	Score	153
Exons	4047..4217, 4055..4189, 4235..4345, 4236..4382		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106891	Strand	-
Start	4453	End	6217
Name	OJ991110_04.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	4047	End	4628
GI	none	Score	146
Exons	4047..4187, 4055..4186, 4205..4474, 4236..4475, 4482..4628, 4484..4594		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106891	Strand	-
Start	4453	End	6217
Name	OJ991110_04.0419.C4.o3.np	Method	AAT/NAP
Start	4453	End	6217
GI	5922623	Score	150
Exons	4453..4586, 5864..5939, 6107..6217		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	50341	Seq. ID	OJ991110_04.0419.C4
Gene No.	106891	Strand	-
Start	4453	End	6217
Name	OJ991110_04.0419.C4.o2.np	Method	AAT/NAP
Start	5682	End	6217
GI	7523512	Score	140
Exons	5682..5811, 6179..6217		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106892	Strand	+
Start	115	End	6447
Name	OJ991110_04.0419.C5.o1.gs	Method	GENSCAN
Start	115	End	2719
GI	none	Score	.57
Exons	115..219, 249..660, 722..983, 1000..1091, 1245..2719		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106892	Strand	+
Start	115	End	6447
Name	OJ991110_04.0419.C5.o1.np	Method	AAT/NAP
Start	294	End	6444
GI	7228457	Score	9695
Exons	294..660, 722..2656, 2720..3554, 3677..4827, 4894..6444		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106892	Strand	+
Start	115	End	6447
Name	OJ991110_04.0419.C5.o2.gs	Method	GENSCAN
Start	2783	End	6447
GI	none	Score	.72
Exons	2783..3941, 4151..5099, 5202..6447		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106893	Strand	+
Start	10309	End	12864
Name	OJ991110_04.0419.C5.o4.np	Method	AAT/NAP
Start	10309	End	11770
GI	5042454	Score	248
Exons	10309..10404, 10622..10738, 11281..11466, 11716..11770		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106893	Strand	+
Start	10309	End	12864
Name	OJ991110_04.0419.C5.o4.gs	Method	GENSCAN
Start	10648	End	12864
GI	none	Score	.47
Exons	10648..10844, 11203..11275, 11377..11466, 11823..11988, 12257..12864		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106893	Strand	+
Start	10309	End	12864
Name	OJ991110_04.0419.C5.o5.np	Method	AAT/NAP
Start	12244	End	12852
GI	5915839	Score	581
Exons	12244..12852		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106894	Strand	+

Start	14277	End	14737
Name	OJ991110_04.0419.C5.o5.gs	Method	GENSCAN
Start	14277	End	14690
GI	none	Score	.88
Exons	14277..14690		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106894	Strand	+
Start	14277	End	14737
Name	OJ991110_04.0419.C5.o6.np	Method	AAT/NAP
Start	14337	End	14737
GI	5915840	Score	324
Exons	14337..14737		
GI Descrip.	CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106895	Strand	-
Start	7077	End	10367
Name	OJ991110_04.0419.C5.o3.gs	Method	GENSCAN
Start	7077	End	10367
GI	none	Score	.44
Exons	7077..7436, 7538..9011, 9106..10367		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106895	Strand	-
Start	7077	End	10367
Name	OJ991110_04.0419.C5.o2.np	Method	AAT/NAP
Start	7080	End	10367
GI	6907089	Score	5035
Exons	7080..9011, 9106..10367		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o7.tw	Method	TBLASTX:Wheat
Start	47	End	9333
GI	none	Score	54
Exons	47..118, 5833..6123, 5838..6116, 6309..6431, 6310..6435, 9250..9333		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o6.tw	Method	TBLASTX:Wheat
Start	788	End	1339
GI	none	Score	35
Exons	788..823, 948..995, 986..1099, 1006..1098, 1066..1305, 1082..1339		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o5.tw	Method	TBLASTX:Wheat
Start	1347	End	4806
GI	none	Score	233

Exons	1347..1400, 4348..4602, 4372..4623, 4437..4622, 4657..4806, 4668..4805		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o3.tw	Method	TBLASTX:Wheat
Start	2077	End	2563
GI	none	Score	405
Exons	2077..2250, 2078..2563, 2272..2532, 2282..2536		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	2727	End	3190
GI	none	Score	219
Exons	2727..3170, 2728..3183, 2729..3190, 2729..3184		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o4.ts	Method	TBLASTX:Soybean
Start	2768	End	3133
GI	none	Score	118
Exons	2768..2992, 2999..3133		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	2858	End	3214
GI	none	Score	392
Exons	2858..3214, 2893..3204, 2909..3214		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o3.tm	Method	TBLASTX:Maize
Start	3241	End	3625
GI	none	Score	363
Exons	3241..3606, 3242..3625		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o2.tw	Method	TBLASTX:Wheat
Start	3298	End	3723
GI	none	Score	493
Exons	3298..3723, 3299..3718		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o2.ts	Method	TBLASTX:Soybean
Start	3377	End	3748
GI	none	Score	279

Exons	3377..3748, 3394..3537		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o9.tw	Method	TBLASTX:Wheat
Start	4191	End	12846
GI	none	Score	256
Exons	4191..4259, 4242..4286, 12576..12824, 12577..12825, 12586..12846, 12627..12845		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o3.ts	Method	TBLASTX:Soybean
Start	4495	End	5061
GI	5666795	Score	64
Exons	4495..4593, 4669..4806, 4861..5061		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o10.tw	Method	TBLASTX:Wheat
Start	4809	End	5121
GI	none	Score	185
Exons	4809..4985, 4861..5121		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o4.tm	Method	TBLASTX:Maize
Start	5314	End	5637
GI	none	Score	362
Exons	5314..5637, 5331..5624		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o4.tw	Method	TBLASTX:Wheat
Start	5451	End	5832
GI	none	Score	372
Exons	5451..5507, 5452..5832, 5455..5793, 5553..5801		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o6.tm	Method	TBLASTX:Maize
Start	6304	End	6450
GI	none	Score	186
Exons	6304..6450, 6309..6443		
Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o3.np	Method	AAT/NAP
Start	10898	End	11021

GI	7523512	Score	141
Exons	10898..11021		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	12237	End	14735
GI	none	Score	129
Exons	12237..12359, 12244..12360, 12367..12825, 12543..12758, 14388..14423, 14469..14624, 14652..14735		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o8.tw	Method	TBLASTX:Wheat
Start	12237	End	12552
GI	none	Score	74
Exons	12237..12542, 12243..12386, 12244..12552, 12418..12549		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	12243	End	12707
GI	none	Score	188
Exons	12243..12422, 12244..12429, 12382..12693, 12472..12690, 12489..12707		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	12243	End	14735
GI	none	Score	173
Exons	12243..12395, 12244..12429, 12400..12495, 12472..12825, 12522..12827, 12715..12834, 14388..14600, 14646..14735		

Seq. No.	50342	Seq. ID	OJ991110_04.0419.C5
Gene No.	106896	Strand	-
Start	10898	End	14737
Name	OJ991110_04.0419.C5.o5.tm	Method	TBLASTX:Maize
Start	14361	End	14737
GI	none	Score	186
Exons	14361..14627, 14417..14623, 14607..14735, 14633..14737, 14634..14735		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106897	Strand	+
Start	1	End	654
Name	OJ991110_04.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	633
GI	5915839	Score	609
Exons	1..633		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106897	Strand	+
Start	1	End	654
Name	OJ991110_04.0419.C6.o1.gs	Method	GENSCAN
Start	76	End	654
GI	none	Score	.64
Exons	76..654		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106898	Strand	-
Start	1735	End	2261
Name	OJ991110_04.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	19	End	641
GI	none	Score	163
Exons	19..210, 24..176, 253..594, 316..573, 405..641		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106898	Strand	-
Start	1735	End	2261
Name	OJ991110_04.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	24	End	488
GI	none	Score	202
Exons	24..488, 25..210, 177..479, 245..481, 253..486		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106898	Strand	-
Start	1735	End	2261
Name	OJ991110_04.0419.C6.o2.tw	Method	TBLASTX:Wheat
Start	24	End	333
GI	none	Score	277
Exons	24..329, 25..330, 64..333		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106898	Strand	-
Start	1735	End	2261
Name	OJ991110_04.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	25	End	570
GI	none	Score	135
Exons	25..132, 39..173, 40..210, 247..546, 253..570, 405..569		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106898	Strand	-
Start	1735	End	2261
Name	OJ991110_04.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	358	End	623
GI	none	Score	311
Exons	358..594, 361..606, 402..623		

Seq. No.	50343	Seq. ID	OJ991110_04.0419.C6
Gene No.	106898	Strand	-
Start	1735	End	2261
Name	OJ991110_04.0419.C6.o2.gs	Method	GENSCAN
Start	1735	End	2261
GI	none	Score	.66
Exons	1735..2136, 2145..2261		

Seq. No.	50344	Seq. ID	OJ991110_04.0419.C7
Gene No.	106899	Strand	-
Start	2853	End	2950
Name	OJ991110_04.0419.C7.o2.gs	Method	GENSCAN
Start	2853	End	2950
GI	none	Score	.41
Exons	2853..2950		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106900	Strand	+
Start	49	End	1746
Name	OJ991110_04.0419.C8.o1.gs	Method	GENSCAN
Start	49	End	1746
GI	none	Score	.98
Exons	49..939, 1123..1746		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106900	Strand	+
Start	49	End	1746
Name	OJ991110_04.0419.C8.o1.np	Method	AAT/NAP
Start	97	End	1743
GI	5915840	Score	1039
Exons	97..939, 1123..1743		
GI Descrip.	CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus]		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106901	Strand	-
Start	4279	End	6384
Name	OJ991110_04.0419.C8.o2.gs	Method	GENSCAN
Start	4279	End	6384
GI	none	Score	.94
Exons	4279..4860, 4989..5201, 5219..5466, 5652..6384		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106901	Strand	-
Start	4279	End	6384
Name	OJ991110_04.0419.C8.o2.np	Method	AAT/NAP
Start	4301	End	6348
GI	5915836	Score	986
Exons	4301..4920, 4989..5217, 5699..6348		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106902	Strand	-
Start	8016	End	10770
Name	OJ991110_04.0419.C8.o3.gs	Method	GENSCAN
Start	8016	End	10770
GI	none	Score	.95
Exons	8016..8474, 9948..10068, 10461..10628, 10766..10770		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	121	End	6276

GI	none	Score	257
Exons	121..387, 162..383, 367..531, 394..552, 5911..6276, 5918..6232, 6055..6234		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	148	End	12463
GI	none	Score	148
Exons	148..360, 406..534, 556..831, 1117..1692, 1122..1262, 1305..1751, 4309..4536, 4310..4522, 4594..4665, 4607..4645, 4741..4920, 4992..5213, 5911..6276, 6053..6181, 8046..8273, 8131..8259, 11866..12072, 12130..12201, 12256..12456, 12353..12463		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	148	End	6264
GI	none	Score	67
Exons	148..201, 196..378, 415..552, 5911..6216, 6211..6264		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o3.tw	Method	TBLASTX:Wheat
Start	160	End	6216
GI	none	Score	51
Exons	160..195, 196..249, 256..489, 5929..6012, 6019..6156, 6163..6216		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	874	End	12463
GI	none	Score	53
Exons	874..930, 1122..1430, 1123..1431, 4612..4662, 4612..4671, 4614..4757, 4741..4863, 4741..4932, 4832..4933, 4995..5078, 8358..8462, 12148..12456, 12148..12207, 12171..12263, 12256..12456, 12257..12463		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	1122	End	12457
GI	none	Score	561
Exons	1122..1586, 1123..1584, 4439..4528, 4441..4527, 4549..4584, 4594..4671, 4594..4671, 4605..4862, 4741..4920, 4744..4920, 4981..5091, 4991..5017, 4992..5078, 5049..5174, 8176..8265, 8178..8264, 8283..8321, 8286..8321, 8403..8459, 11977..12063, 11977..12063, 12085..12120, 12130..12456, 12130..12207, 12168..12263, 12251..12457, 12256..12456		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8

Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	1123	End	12456
GI	none	Score	464
Exons	1123..1668, 1137..1226, 1293..1667, 4303..4530, 4349..4522, 4594..4665, 8040..8267, 8086..8259, 11866..12066, 12130..12201, 12259..12456, 12353..12445		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	1459	End	12117
GI	none	Score	299
Exons	1459..1692, 1494..1721, 1499..1699, 4291..4527, 4291..4530, 4292..4531, 4543..4581, 8028..8273, 8028..8267, 8280..8327, 8280..8318, 11822..12034, 11827..12063, 11860..12066, 11937..12101, 12079..12117		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o4.gs	Method	GENSCAN
Start	11809	End	12471
GI	none	Score	.93
Exons	11809..12471		

Seq. No.	50345	Seq. ID	OJ991110_04.0419.C8
Gene No.	106903	Strand	-
Start	11809	End	12471
Name	OJ991110_04.0419.C8.o3.np	Method	AAT/NAP
Start	11830	End	12461
GI	5915839	Score	537
Exons	11830..12461		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	50346	Seq. ID	OJ991110_04.0419.C9
Gene No.	106904	Strand	+
Start	52	End	287
Name	OJ991110_04.0419.C9.o1.gs	Method	GENSCAN
Start	52	End	287
GI	none	Score	.47
Exons	52..148, 256..287		

Seq. No.	50346	Seq. ID	OJ991110_04.0419.C9
Gene No.	106905	Strand	-
Start	1929	End	4622
Name	OJ991110_04.0419.C9.o1.np	Method	AAT/NAP
Start	962	End	3474
GI	5915835	Score	500
Exons	962..998, 2575..3474		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	50346	Seq. ID	OJ991110_04.0419.C9

Gene No.	106905	Strand	-
Start	1929	End	4622
Name	OJ991110_04.0419.C9.o2.gs	Method	GENSCAN
Start	1929	End	4622
GI	none	Score	.55
Exons	1929..2015, 2575..3530, 3598..3693, 4484..4622		

Seq. No.	50346	Seq. ID	OJ991110_04.0419.C9
Gene No.	106905	Strand	-
Start	1929	End	4622
Name	OJ991110_04.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	2704	End	3399
GI	none	Score	68
Exons	2704..2922, 3034..3399, 3176..3304		

Seq. No.	50346	Seq. ID	OJ991110_04.0419.C9
Gene No.	106905	Strand	-
Start	1929	End	4622
Name	OJ991110_04.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	2744	End	3390
GI	none	Score	121
Exons	2744..2914, 2746..2943, 2824..2940, 3034..3324, 3164..3322, 3334..3390, 3335..3358		

Seq. No.	50346	Seq. ID	OJ991110_04.0419.C9
Gene No.	106905	Strand	-
Start	1929	End	4622
Name	OJ991110_04.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	3034	End	3384
GI	none	Score	89
Exons	3034..3339, 3044..3304, 3322..3384		

Seq. No.	50347	Seq. ID	OJ991110_04.0419.C10
Gene No.	106906	Strand	-
Start	25	End	124
Name	OJ991110_04.0419.C10.o1.gs	Method	GENSCAN
Start	25	End	124
GI	none	Score	.86
Exons	25..124		

Seq. No.	50348	Seq. ID	OJ991110_04.0419.C11
Gene No.	106907	Strand	+
Start	276	End	1603
Name	OJ991110_04.0419.C11.o1.gs	Method	GENSCAN
Start	276	End	1603
GI	none	Score	.41
Exons	276..308, 728..851, 1483..1603		

Seq. No.	50348	Seq. ID	OJ991110_04.0419.C11
Gene No.	106908	Strand	-
Start	793	End	2015
Name	OJ991110_04.0419.C11.o1.np	Method	AAT/NAP
Start	793	End	2015
GI	5852181	Score	118
Exons	793..1051, 1844..2015		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	50349	Seq. ID	OJ991110_04.0419.C12
Gene No.	106909	Strand	-
Start	1314	End	1991
Name	OJ991110_04.0419.C12.o1.gs	Method	GENSCAN
Start	1314	End	1976
GI	none	Score	1
Exons	1314..1976		

Seq. No.	50349	Seq. ID	OJ991110_04.0419.C12
Gene No.	106909	Strand	-
Start	1314	End	1991
Name	OJ991110_04.0419.C12.o1.np	Method	AAT/NAP
Start	1329	End	1991
GI	5915839	Score	530
Exons	1329..1991		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	50349	Seq. ID	OJ991110_04.0419.C12
Gene No.	106909	Strand	-
Start	1314	End	1991
Name	OJ991110_04.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	1365	End	1961
GI	none	Score	123
Exons	1365..1616, 1417..1575, 1434..1616, 1629..1700, 1797..1961		

Seq. No.	50349	Seq. ID	OJ991110_04.0419.C12
Gene No.	106909	Strand	-
Start	1314	End	1991
Name	OJ991110_04.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	1365	End	1964
GI	none	Score	115
Exons	1365..1571, 1378..1563, 1590..1622, 1629..1700, 1812..1964, 1813..1962		

Seq. No.	50349	Seq. ID	OJ991110_04.0419.C12
Gene No.	106909	Strand	-
Start	1314	End	1991
Name	OJ991110_04.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	1365	End	1691
GI	none	Score	129
Exons	1365..1427, 1432..1578, 1434..1616, 1629..1691		

Seq. No.	50349	Seq. ID	OJ991110_04.0419.C12
Gene No.	106909	Strand	-
Start	1314	End	1991
Name	OJ991110_04.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	1368	End	1961
GI	none	Score	111
Exons	1368..1565, 1450..1569, 1578..1625, 1629..1706, 1774..1947, 1776..1961		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106910	Strand	-
Start	1	End	583
Name	OJ991110_04.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	562

GI	5915835	Score	393
Exons	1..562		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106910	Strand	-
Start	1	End	583
Name	OJ991110_04.0419.C13.o1.gs	Method	GENSCAN
Start	14	End	583
GI	none	Score	.98
Exons	14..583		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106911	Strand	-
Start	5704	End	6391
Name	OJ991110_04.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	122	End	469
GI	none	Score	54
Exons	122..427, 422..469		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106911	Strand	-
Start	5704	End	6391
Name	OJ991110_04.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	122	End	470
GI	none	Score	45
Exons	122..469, 123..221, 264..470		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106911	Strand	-
Start	5704	End	6391
Name	OJ991110_04.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	125	End	482
GI	none	Score	268
Exons	125..469, 126..482		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106911	Strand	-
Start	5704	End	6391
Name	OJ991110_04.0419.C13.o2.tm	Method	TBLASTX:Maize
Start	4411	End	4654
GI	none	Score	262
Exons	4411..4653, 4412..4654		

Seq. No.	50350	Seq. ID	OJ991110_04.0419.C13
Gene No.	106911	Strand	-
Start	5704	End	6391
Name	OJ991110_04.0419.C13.o3.gs	Method	GENSCAN
Start	5704	End	6391
GI	none	Score	.55
Exons	5704..6070, 6357..6391		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o1.gs	Method	GENSCAN

Start	431	End	1078
GI	none	Score	.92
Exons	431..1078		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o1.np	Method	AAT/NAP
Start	446	End	1912
GI	5915839	Score	554
Exons	446..1078, 1860..1912		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	447	End	1078
GI	none	Score	135
Exons	447..680, 473..688, 707..739, 746..838, 884..1078, 966..1058		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	454	End	808
GI	none	Score	48
Exons	454..546, 473..544, 545..733, 546..692, 551..730, 746..808		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	473	End	1078
GI	none	Score	91
Exons	473..688, 546..680, 701..733, 746..916, 747..818, 965..1078, 981..1070		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	591	End	1072
GI	none	Score	101
Exons	591..680, 593..679, 707..736, 746..844, 756..830, 785..940, 884..1072, 894..1064		

Seq. No.	50351	Seq. ID	OJ991110_04.0419.C14
Gene No.	106912	Strand	-
Start	431	End	1912
Name	OJ991110_04.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	809	End	1072
GI	none	Score	66
Exons	809..1072, 860..940, 969..1067		

Seq. No.	50352	Seq. ID	OJ991110_04.0419.C15

Gene No.	106913	Strand	+
Start	635	End	1082
Name	OJ991110_04.0419.C15.o1.gs	Method	GENSCAN
Start	635	End	1082
GI	none	Score	.95
Exons	635..873, 1065..1082		

Seq. No.	50352	Seq. ID	OJ991110_04.0419.C15
Gene No.	106914	Strand	-
Start	1749	End	1952
Name	OJ991110_04.0419.C15.o2.gs	Method	GENSCAN
Start	1749	End	1952
GI	none	Score	.4
Exons	1749..1952		

Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o1.gs	Method	GENSCAN
Start	314	End	6926
GI	none	Score	.61
Exons	314..325, 2930..3003, 3048..3726, 3800..5407, 5431..5578, 5610..5720, 5755..5996, 6165..6926		

Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o1.np	Method	AAT/NAP
Start	2858	End	7101
GI	7228457	Score	1707
Exons	2858..2908, 4402..5973, 6028..6924, 7048..7101		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o4.tw	Method	TBLASTX:Wheat
Start	3815	End	4891
GI	none	Score	53
Exons	3815..3925, 4493..4891		

Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o3.tm	Method	TBLASTX:Maize
Start	4490	End	4729
GI	none	Score	186
Exons	4490..4729		

Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o3.tw	Method	TBLASTX:Wheat
Start	5473	End	5970
GI	none	Score	127

Exons	5473..5622, 5481..5582, 5691..5927, 5693..5809, 5917..5970		
Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	6120	End	6574
GI	none	Score	547
Exons	6120..6563, 6120..6560, 6128..6574		
Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o2.ts	Method	TBLASTX:Soybean
Start	6159	End	6524
GI	none	Score	107
Exons	6159..6383, 6390..6524		
Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	6249	End	6605
GI	none	Score	414
Exons	6249..6605, 6284..6604		
Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	6633	End	7016
GI	none	Score	328
Exons	6633..7016, 6660..6905, 6668..7015		
Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o2.tw	Method	TBLASTX:Wheat
Start	6690	End	7091
GI	none	Score	433
Exons	6690..7091, 6695..7090		
Seq. No.	50353	Seq. ID	OJ991110_04.0419.C16
Gene No.	106915	Strand	+
Start	314	End	7101
Name	OJ991110_04.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	6738	End	7091
GI	none	Score	268
Exons	6738..7091, 6743..6928		
Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106916	Strand	+
Start	1	End	2471
Name	OJ991110_04.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	2045
GI	5902445	Score	1863
Exons	1..2045		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106916	Strand	+
Start	1	End	2471
Name	OJ991110_04.0419.C17.o1.gs	Method	GENSCAN
Start	75	End	2471
GI	none	Score	.78
Exons	75..1698, 1801..2031, 2164..2471		

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106917	Strand	+
Start	6116	End	6660
Name	OJ991110_04.0419.C17.o4.np	Method	AAT/NAP
Start	6116	End	6660
GI	7523517	Score	230
Exons	6116..6415, 6559..6660		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o3.tw	Method	TBLASTX:Wheat
Start	54	End	461
GI	none	Score	200
Exons	54..278, 97..264, 107..280, 288..461, 399..461		

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o4.tw	Method	TBLASTX:Wheat
Start	500	End	758
GI	none	Score	175
Exons	500..754, 501..758		

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	921	End	1226
GI	none	Score	350
Exons	921..1226, 938..1225		

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o2.tw	Method	TBLASTX:Wheat
Start	921	End	1304
GI	none	Score	363
Exons	921..1304, 929..1303		

Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	1428	End	2036
GI	none	Score	337

Exons	1428..1916, 1442..1528, 1577..1684, 1905..2036, 1910..2035		
Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o2.gs	Method	GENSCAN
Start	2665	End	6598
GI	none	Score	.79
Exons	2665..3176, 3281..3426, 3682..4102, 4171..4310, 4380..4438, 4545..4699, 4758..4886, 4966..5715, 6501..6598		
Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o2.np	Method	AAT/NAP
Start	3549	End	5728
GI	6721561	Score	1025
Exons	3549..4310, 4380..4438, 4509..4693, 5659..5728		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	50354	Seq. ID	OJ991110_04.0419.C17
Gene No.	106918	Strand	-
Start	2665	End	6598
Name	OJ991110_04.0419.C17.o3.np	Method	AAT/NAP
Start	3668	End	5686
GI	6721558	Score	258
Exons	3668..3869, 4761..4886, 5587..5686		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	50355	Seq. ID	OJ991110_04.0419.C18
Gene No.	106919	Strand	-
Start	209	End	2265
Name	OJ991110_04.0419.C18.o1.gs	Method	GENSCAN
Start	209	End	2265
GI	none	Score	.77
Exons	209..305, 344..456, 2162..2265		
Seq. No.	50356	Seq. ID	OJ991110_04.0419.C20
Gene No.	106920	Strand	-
Start	1	End	1782
Name	OJ991110_04.0419.C20.o1.np	Method	AAT/NAP
Start	1	End	1782
GI	7339715	Score	166
Exons	1..103, 257..453, 1727..1782		
GI Descrip.	(AP001539) EST AU057816(S21817) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome IV BAC T19F06; unknown protein. (AC002343) [Oryza sativa]		
Seq. No.	50356	Seq. ID	OJ991110_04.0419.C20
Gene No.	106920	Strand	-
Start	1	End	1782

Name	OJ991110_04.0419.C20.o1.gs	Method	GENSCAN
Start	395	End	817
GI	none	Score	.76
Exons	395..565, 670..817		

Seq. No.	50357	Seq. ID	OJ991110_04.0419.C21
Gene No.	106921	Strand	-
Start	8	End	49
Name	OJ991110_04.0419.C21.o1.gs	Method	GENSCAN
Start	8	End	49
GI	none	Score	.86
Exons	8..49		

Seq. No.	50358	Seq. ID	OJ991110_04.0419.C22
Gene No.	106922	Strand	+
Start	350	End	683
Name	OJ991110_04.0419.C22.o1.gs	Method	GENSCAN
Start	350	End	683
GI	none	Score	.87
Exons	350..508, 586..683		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106923	Strand	+
Start	7436	End	7978
Name	OJ991110_04.0419.C23.o3.gs	Method	GENSCAN
Start	7436	End	7978
GI	none	Score	.82
Exons	7436..7439, 7530..7978		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106924	Strand	-
Start	509	End	7252
Name	OJ991110_04.0419.C23.o1.gs	Method	GENSCAN
Start	509	End	4219
GI	none	Score	.86
Exons	509..1168, 1781..1836, 3630..3786, 4121..4219		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106924	Strand	-
Start	509	End	7252
Name	OJ991110_04.0419.C23.o1.np	Method	AAT/NAP
Start	527	End	7216
GI	5915836	Score	954
Exons	527..1168, 6326..7216		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106924	Strand	-
Start	509	End	7252
Name	OJ991110_04.0419.C23.o2.gs	Method	GENSCAN
Start	6248	End	7252
GI	none	Score	.54
Exons	6248..7252		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-

Start	8087	End	17511
Name	OJ991110_04.0419.C23.o4.tm	Method	TBLASTX:Maize
Start	436	End	1174
GI	none	Score	124
Exons	436..468, 557..763, 579..764, 776..814, 836..1006, 837..917, 1058..1174		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o6.tw	Method	TBLASTX:Wheat
Start	554	End	808
GI	none	Score	134
Exons	554..763, 557..763, 576..764, 776..808		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	557	End	7129
GI	none	Score	139
Exons	557..766, 576..761, 782..805, 836..1015, 837..917, 1028..1174, 1029..1169, 6773..7060, 6786..6884, 6939..7028, 7055..7129, 7062..7127		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	623	End	7138
GI	none	Score	105
Exons	623..763, 624..755, 776..811, 836..1174, 837..908, 6773..7081, 6852..7028, 7070..7138		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o7.tw	Method	TBLASTX:Wheat
Start	854	End	6418
GI	none	Score	82
Exons	854..1048, 1061..1168, 1062..1175, 6377..6418		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o3.tm	Method	TBLASTX:Maize
Start	6773	End	7129
GI	none	Score	267
Exons	6773..7129, 6786..7127		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o8.tw	Method	TBLASTX:Wheat
Start	6794	End	7081
GI	none	Score	61
Exons	6794..6877, 6920..7021, 7028..7081		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o4.gs	Method	GENSCAN
Start	8087	End	17511
GI	none	Score	.75
Exons	8087..8268, 10486..10621, 12871..12983, 13122..14663, 14705..16634, 16685..16869, 17330..17511		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o2.np	Method	AAT/NAP
Start	12853	End	16849
GI	130582	Score	2785
Exons	12853..16849		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	12858	End	13284
GI	none	Score	138
Exons	12858..13103, 12859..13263, 12859..13284, 12860..13282		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o4.tc	Method	TBLASTX:Cress
Start	12859	End	13338
GI	none	Score	78
Exons	12859..13071, 13087..13233, 13234..13338		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o4.ts	Method	TBLASTX:Soybean
Start	12862	End	13260
GI	none	Score	59
Exons	12862..12975, 12863..12961, 12977..13258, 12988..13260		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o5.tw	Method	TBLASTX:Wheat
Start	12886	End	13321
GI	none	Score	55
Exons	12886..13086, 12946..13077, 13010..13087, 13105..13308, 13130..13321		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-

Start	8087	End	17511
Name	OJ991110_04.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	13340	End	13786
GI	none	Score	212
Exons	13340..13651, 13343..13591, 13345..13650, 13627..13785, 13694..13786		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o2.tw	Method	TBLASTX:Wheat
Start	13435	End	14058
GI	none	Score	56
Exons	13435..13869, 13454..13618, 13585..13740, 13679..13813, 13906..14058		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o5.tm	Method	TBLASTX:Maize
Start	13789	End	14220
GI	none	Score	108
Exons	13789..14217, 13922..14182, 14119..14220		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o2.ts	Method	TBLASTX:Soybean
Start	13804	End	14193
GI	none	Score	89
Exons	13804..14193, 13842..14099, 13898..14173		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o1.gp	Method	AAT/GAP
Start	13816	End	14058
GI	1621494	Score	446
Exons	13816..14058		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o3.tc	Method	TBLASTX:Cress
Start	14011	End	14217
GI	none	Score	80
Exons	14011..14217, 14011..14217		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	14059	End	14495
GI	none	Score	405
Exons	14059..14493, 14059..14493, 14307..14495		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o3.ts	Method	TBLASTX:Soybean
Start	14706	End	15158
GI	none	Score	117
Exons	14706..14843, 14829..15158, 14911..15129		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o2.tc	Method	TBLASTX:Cress
Start	14709	End	15140
GI	none	Score	79
Exons	14709..14831, 14716..14832, 14847..15140		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o3.tw	Method	TBLASTX:Wheat
Start	14769	End	15378
GI	none	Score	144
Exons	14769..14831, 14928..15377, 14968..15378		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o6.tm	Method	TBLASTX:Maize
Start	14907	End	15392
GI	none	Score	116
Exons	14907..15392, 14908..15198, 15039..15203		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o2.gp	Method	AAT/GAP
Start	15105	End	15541
GI	2428449	Score	818
Exons	15105..15541		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	50359	Seq. ID	OJ991110_04.0419.C23
Gene No.	106925	Strand	-
Start	8087	End	17511
Name	OJ991110_04.0419.C23.o4.tw	Method	TBLASTX:Wheat
Start	16083	End	16505
GI	none	Score	45
Exons	16083..16145, 16093..16128, 16212..16274, 16222..16263, 16266..16376, 16267..16359, 16356..16505, 16363..16488		

Seq. No.	50360	Seq. ID	OJ991110_04.0419.C24
Gene No.	106926	Strand	+
Start	1253	End	1403
Name	OJ991110_04.0419.C24.o1.gs	Method	GENSCAN

Start	1253	End	1403
GI	none	Score	.94
Exons	1253..1403		

Seq. No.	50361	Seq. ID	OJ991110_04.0419.C26
Gene No.	106927	Strand	-
Start	1409	End	1797
Name	OJ991110_04.0419.C26.o1.gs	Method	GENSCAN
Start	1409	End	1797
GI	none	Score	.85
Exons	1409..1513, 1675..1797		

Seq. No.	50362	Seq. ID	OJ991110_04.0419.C28
Gene No.	106928	Strand	+
Start	1	End	4471
Name	OJ991110_04.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	2467
GI	7446365	Score	103
Exons	1..92, 810..1004, 2444..2467		
GI Descrip.	protein kinase homolog T20D16.7 - Arabidopsis thaliana gi|2642433|gb|AAB87101.1| (AC002391) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	50362	Seq. ID	OJ991110_04.0419.C28
Gene No.	106928	Strand	+
Start	1	End	4471
Name	OJ991110_04.0419.C28.o1.gs	Method	GENSCAN
Start	285	End	4471
GI	none	Score	.69
Exons	285..477, 572..721, 805..1277, 1295..1366, 1793..1982, 2101..2150, 2560..2662, 2738..2818, 3327..3480, 3837..3981, 4095..4200, 4323..4471		

Seq. No.	50362	Seq. ID	OJ991110_04.0419.C28
Gene No.	106928	Strand	+
Start	1	End	4471
Name	OJ991110_04.0419.C28.o2.np	Method	AAT/NAP
Start	2547	End	4456
GI	7296381	Score	78
Exons	2547..2706, 3724..3993, 4095..4179, 4341..4456		
GI Descrip.	(AE003593) CG10584 gene product [Drosophila melanogaster]		

Seq. No.	50362	Seq. ID	OJ991110_04.0419.C28
Gene No.	106929	Strand	-
Start	5070	End	5150
Name	OJ991110_04.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	1895	End	3448
GI	none	Score	91
Exons	1895..1972, 2287..2322, 2438..2485, 2531..2656, 2538..2663, 2548..2664, 2766..2798, 2767..2844, 3323..3394, 3398..3448		

Seq. No.	50362	Seq. ID	OJ991110_04.0419.C28
Gene No.	106929	Strand	-
Start	5070	End	5150
Name	OJ991110_04.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	2114	End	4196
GI	none	Score	73

Exons	2114..2176, 2254..2322, 2255..2323, 2260..2325, 2417..2482, 2426..2482, 2434..2490, 2556..2663, 2557..2664, 2557..2664, 2766..2822, 2767..2865, 3323..3478, 3324..3479, 3325..3486, 3325..3513, 3838..3984, 3843..3983, 3844..3984, 4091..4189, 4095..4196		
Seq. No.	50362	Seq. ID	OJ991110_04.0419.C28
Gene No.	106929	Strand	-
Start	5070	End	5150
Name	OJ991110_04.0419.C28.o2.gs	Method	GENSCAN
Start	5070	End	5150
GI	none	Score	.89
Exons	5070..5150		
Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106930	Strand	+
Start	8240	End	10232
Name	OJ991110_04.0419.C29.o1.gp	Method	AAT/GAP
Start	8240	End	9324
GI	2311182	Score	631
Exons	8240..8488, 9194..9324		
Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106930	Strand	+
Start	8240	End	10232
Name	OJ991110_04.0419.C29.o1.np	Method	AAT/NAP
Start	9197	End	10232
GI	7485349	Score	524
Exons	9197..9464, 9519..9562, 9660..9751, 10025..10232		
GI Descrip.	hypothetical protein F10M6.110 - Arabidopsis thaliana gi|2864618|emb|CAA16965.1| (AL021811) putative protein [Arabidopsis thaliana] gi|7270129|emb|CAB79943.1| (AL161580) putative protein [Arabidopsis thaliana]		
Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106930	Strand	+
Start	8240	End	10232
Name	OJ991110_04.0419.C29.o2.gp	Method	AAT/GAP
Start	10084	End	10232
GI	LIB3434-047-P1-K1-E9	Score	250
Exons	10084..10232		
GI Descrip.	'2864618/emb|CAA16965| 2.0e-55 (AL021811) putative protein [Arabidopsis thaliana]'		
Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106931	Strand	-
Start	766	End	9517
Name	OJ991110_04.0419.C29.o1.gs	Method	GENSCAN
Start	766	End	9428
GI	none	Score	.47
Exons	766..907, 1436..1604, 1621..1721, 2299..2572, 2941..3039, 4854..4888, 5089..5186, 5229..5516, 6765..6888, 8386..8511, 8760..8917, 9275..9428		
Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106931	Strand	-
Start	766	End	9517

Name	OJ991110_04.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	9191	End	9517
GI	none	Score	464
Exons	9191..9517, 9193..9516		

Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106931	Strand	-
Start	766	End	9517
Name	OJ991110_04.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	9218	End	9499
GI	none	Score	299
Exons	9218..9499, 9277..9492		

Seq. No.	50363	Seq. ID	OJ991110_04.0419.C29
Gene No.	106932	Strand	
Start	10032	End	10232
Name	OJ991110_04.0419.C29.o2.tm	Method	TBLASTX:Maize
Start	10032	End	10232
GI	none	Score	318
Exons	10032..10232, 10034..10231		

Seq. No.	50364	Seq. ID	OJ991110_04.0419.C33
Gene No.	106933	Strand	-
Start	1	End	885
Name	OJ991110_04.0419.C33.o1.np	Method	AAT/NAP
Start	1	End	885
GI	5915836	Score	436
Exons	1..885		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	50364	Seq. ID	OJ991110_04.0419.C33
Gene No.	106933	Strand	-
Start	1	End	885
Name	OJ991110_04.0419.C33.o1.gs	Method	GENSCAN
Start	78	End	869
GI	none	Score	.92
Exons	78..869		

Seq. No.	50364	Seq. ID	OJ991110_04.0419.C33
Gene No.	106933	Strand	-
Start	1	End	885
Name	OJ991110_04.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	150	End	883
GI	none	Score	82
Exons	150..428, 525..824, 697..789, 828..860, 863..883		

Seq. No.	50364	Seq. ID	OJ991110_04.0419.C33
Gene No.	106933	Strand	-
Start	1	End	885
Name	OJ991110_04.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	246	End	884
GI	none	Score	101
Exons	246..449, 246..452, 522..689, 522..824, 547..813, 834..860, 835..864, 863..883, 864..884		

Seq. No.	50364	Seq. ID	OJ991110_04.0419.C33

Gene No.	106933	Strand	-
Start	1	End	885
Name	OJ991110_04.0419.C33.o1.tc	Method	TBLASTX:Cress
Start	522	End	839
GI	none	Score	261
Exons	522..839		

Seq. No.	50365	Seq. ID	OJ991110_04.0419.C34
Gene No.	106934	Strand	+
Start	533	End	739
Name	OJ991110_04.0419.C34.o1.gs	Method	GENSCAN
Start	533	End	739
GI	none	Score	.67
Exons	533..739		

Seq. No.	50366	Seq. ID	OJ991110_08.0419.C2
Gene No.	106935	Strand	+
Start	1768	End	1899
Name	OJ991110_08.0419.C2.o1.gs	Method	GENSCAN
Start	1768	End	1899
GI	none	Score	.79
Exons	1768..1899		

Seq. No.	50367	Seq. ID	OJ991110_08.0419.C3
Gene No.	106936	Strand	+
Start	316	End	3322
Name	OJ991110_08.0419.C3.o1.np	Method	AAT/NAP
Start	316	End	3147
GI	3953465	Score	153
Exons	316..386, 428..512, 1062..1145, 1639..1768, 2017..2107, 2884..2953, 3049..3147		
GI Descrip.	(AC002328) F20N2.10 [Arabidopsis thaliana]		

Seq. No.	50367	Seq. ID	OJ991110_08.0419.C3
Gene No.	106936	Strand	+
Start	316	End	3322
Name	OJ991110_08.0419.C3.o1.gp	Method	AAT/GAP
Start	374	End	3318
GI	5004205	Score	1232
Exons	374..512, 1062..1140, 1458..1531, 1639..1702, 1969..2107, 2878..2953, 3049..3145, 3278..3318		

Seq. No.	50367	Seq. ID	OJ991110_08.0419.C3
Gene No.	106936	Strand	+
Start	316	End	3322
Name	OJ991110_08.0419.C3.o1.gs	Method	GENSCAN
Start	438	End	3322
GI	none	Score	.93
Exons	438..512, 565..645, 1062..1140, 1458..1531, 1639..1702, 1969..2107, 2878..2953, 3049..3144, 3278..3322		

Seq. No.	50368	Seq. ID	OJ991110_08.0419.C4
Gene No.	106937	Strand	+
Start	1	End	1991
Name	OJ991110_08.0419.C4.o1.gp	Method	AAT/GAP
Start	1	End	1991
GI	36296_1.R1084	Score	955

Exons	1..48, 878..925, 1195..1262, 1606..1991		
GI Descrip.	'3953465 1.0e-27 (AC002328) F20N2.10 [Arabidopsis thaliana]'		
Seq. No.	50368	Seq. ID	OJ991110_08.0419.C4
Gene No.	106938	Strand	+
Start	3636	End	4212
Name	OJ991110_08.0419.C4.o2.gp	Method	AAT/GAP
Start	3636	End	4212
GI	none	Score	753
Exons	3636..3865, 4008..4212		
Seq. No.	50368	Seq. ID	OJ991110_08.0419.C4
Gene No.	106939	Strand	+
Start	4354	End	6340
Name	OJ991110_08.0419.C4.o2.np	Method	AAT/NAP
Start	4354	End	6340
GI	7340909	Score	113
Exons	4354..4404, 5647..5945, 6273..6340		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	50368	Seq. ID	OJ991110_08.0419.C4
Gene No.	106940	Strand	-
Start	1166	End	6324
Name	OJ991110_08.0419.C4.o1.gs	Method	GENSCAN
Start	1166	End	6324
GI	none	Score	.71
Exons	1166..1188, 1505..1633, 1993..2145, 3637..3691, 4098..4210, 4730..4956, 6089..6324		
Seq. No.	50368	Seq. ID	OJ991110_08.0419.C4
Gene No.	106940	Strand	-
Start	1166	End	6324
Name	OJ991110_08.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	4120	End	4597
GI	none	Score	68
Exons	4120..4203, 4134..4217, 4346..4546, 4347..4568, 4361..4597		
Seq. No.	50368	Seq. ID	OJ991110_08.0419.C4
Gene No.	106940	Strand	-
Start	1166	End	6324
Name	OJ991110_08.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	4942	End	5284
GI	none	Score	305
Exons	4942..5283, 4980..5273, 5162..5284		
Seq. No.	50369	Seq. ID	OJ991110_08.0419.C5
Gene No.	106941	Strand	-
Start	1	End	1852
Name	OJ991110_08.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	1852
GI	6522938	Score	184
Exons	1..677, 1832..1852		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana] gi|6523028|emb|CAB62296.1| (AL132976) putative protein [Arabidopsis thaliana]		
Seq. No.	50369	Seq. ID	OJ991110_08.0419.C5

Gene No.	106941	Strand	-
Start	1	End	1852
Name	OJ991110_08.0419.C5.o1.gs	Method	GENSCAN
Start	24	End	632
GI	none	Score	.62
Exons	24..632		

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106942	Strand	+
Start	1	End	1832
Name	OJ991110_08.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	1832
GI	5042463	Score	116
Exons	1..41, 638..843, 1506..1646, 1698..1832		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106943	Strand	+
Start	5247	End	10200
Name	OJ991110_08.0419.C6.o2.np	Method	AAT/NAP
Start	5244	End	10200
GI	2443320	Score	810
Exons	5244..5908, 10145..10200		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106943	Strand	+
Start	5247	End	10200
Name	OJ991110_08.0419.C6.o2.gs	Method	GENSCAN
Start	5247	End	10065
GI	none	Score	.53
Exons	5247..5512, 5625..5918, 7980..8480, 8700..8786, 9726..10065		

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106944	Strand	+
Start	11171	End	11953
Name	OJ991110_08.0419.C6.o3.gs	Method	GENSCAN
Start	11171	End	11953
GI	none	Score	.85
Exons	11171..11183, 11712..11953		

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106945	Strand	-
Start	124	End	4579
Name	OJ991110_08.0419.C6.o1.gs	Method	GENSCAN
Start	124	End	4579
GI	none	Score	.6
Exons	124..487, 3792..3909, 4057..4242, 4525..4579		

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106946	Strand	-
Start	6845	End	14653
Name	OJ991110_08.0419.C6.o3.np	Method	AAT/NAP
Start	6845	End	14653
GI	6063554	Score	203
Exons	6845..7016, 8087..8131, 8216..8393, 11811..11941, 14626..14653		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	50370	Seq. ID	OJ991110_08.0419.C6
Gene No.	106946	Strand	-
Start	6845	End	14653
Name	OJ991110_08.0419.C6.o4.gs	Method	GENSCAN
Start	14080	End	14535
GI	none	Score	.63
Exons	14080..14193, 14453..14535		

Seq. No.	50371	Seq. ID	OJ991110_08.0419.C10
Gene No.	106947	Strand	
Start	610	End	1270
Name	OJ991110_08.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	610	End	934
GI	none	Score	277
Exons	610..930, 611..934		

Seq. No.	50371	Seq. ID	OJ991110_08.0419.C10
Gene No.	106947	Strand	
Start	610	End	1270
Name	OJ991110_08.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	653	End	1270
GI	none	Score	201
Exons	653..934, 689..958, 989..1270		

Seq. No.	50372	Seq. ID	OJ991110_08.0419.C11
Gene No.	106948	Strand	+
Start	1194	End	4967
Name	OJ991110_08.0419.C11.o1.gs	Method	GENSCAN
Start	1194	End	4967
GI	none	Score	.68
Exons	1194..1283, 3413..3602, 3752..4008, 4311..4424, 4503..4700, 4777..4875, 4953..4967		

Seq. No.	50372	Seq. ID	OJ991110_08.0419.C11
Gene No.	106949	Strand	-
Start	1032	End	1136
Name	OJ991110_08.0419.C11.o1.gp	Method	AAT/GAP
Start	1032	End	1136
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	1032..1136		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	50372	Seq. ID	OJ991110_08.0419.C11
Gene No.	106950	Strand	-
Start	2929	End	3058
Name	OJ991110_08.0419.C11.o2.gp	Method	AAT/GAP
Start	2929	End	3058
GI	uC-osflcyp013a06b1	Score	167
Exons	2929..3058		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	50373	Seq. ID	OJ991110_08.0419.C12
Gene No.	106951	Strand	-
Start	1637	End	2231
Name	OJ991110_08.0419.C12.o1.gs	Method	GENSCAN
Start	1637	End	2231
GI	none	Score	.72
Exons	1637..1683, 2059..2231		

Seq. No.	50374	Seq. ID	OJ991110_08.0419.C13
Gene No.	106952	Strand	+
Start	246	End	4450
Name	OJ991110_08.0419.C13.o1.gs	Method	GENSCAN
Start	246	End	4450
GI	none	Score	.8
Exons	246..467, 476..1402, 2915..3023, 3907..3982, 4177..4450		

Seq. No.	50374	Seq. ID	OJ991110_08.0419.C13
Gene No.	106952	Strand	+
Start	246	End	4450
Name	OJ991110_08.0419.C13.o1.np	Method	AAT/NAP
Start	592	End	1360
GI	4680341	Score	247
Exons	592..1360		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	50374	Seq. ID	OJ991110_08.0419.C13
Gene No.	106953	Strand	-
Start	3116	End	4513
Name	OJ991110_08.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	773	End	1255
GI	none	Score	108
Exons	773..913, 983..1039, 1082..1255		

Seq. No.	50374	Seq. ID	OJ991110_08.0419.C13
Gene No.	106953	Strand	-
Start	3116	End	4513
Name	OJ991110_08.0419.C13.o2.np	Method	AAT/NAP
Start	3116	End	4513
GI	6721512	Score	95
Exons	3116..3199, 4384..4513		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106954	Strand	+
Start	1	End	4914
Name	OJ991110_08.0419.C14.o2.np	Method	AAT/NAP
Start	1	End	4914
GI	5295955	Score	265
Exons	1..309, 3502..3619, 4363..4914		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106954	Strand	+
Start	1	End	4914
Name	OJ991110_08.0419.C14.o1.gs	Method	GENSCAN
Start	404	End	761

GI	none	Score	.63
Exons	404..761		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o1.np	Method	AAT/NAP
Start	1408	End	4914
GI	7444451	Score	1654
Exons	1408..2676, 4891..4914		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	1459	End	2030
GI	none	Score	54
Exons	1459..1680, 1468..1596, 1679..1783, 1682..1774, 1779..2030, 1786..2028		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	1465	End	1890
GI	none	Score	90
Exons	1465..1677, 1483..1635, 1568..1651, 1676..1750, 1779..1889, 1786..1890		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	1821	End	2248
GI	none	Score	67
Exons	1821..2030, 1822..2028, 2029..2247, 2030..2248		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o3.tm	Method	TBLASTX:Maize
Start	1902	End	2137
GI	none	Score	66
Exons	1902..2021, 1902..2027, 1930..2028, 2005..2118, 2026..2136, 2033..2137		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	2246	End	2638
GI	none	Score	82
Exons	2246..2638, 2469..2618		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	2249	End	2645
GI	none	Score	98
Exons	2249..2434, 2426..2629, 2466..2618, 2547..2645		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o2.ts	Method	TBLASTX:Soybean
Start	2336	End	2644
GI	none	Score	57
Exons	2336..2518, 2397..2513, 2458..2520, 2462..2515, 2540..2644, 2552..2632		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o1.gp	Method	AAT/GAP
Start	2824	End	2932
GI	uC-osflcyp088b12b1	Score	152
Exons	2824..2932		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o2.gs	Method	GENSCAN
Start	2898	End	4834
GI	none	Score	.95
Exons	2898..2957, 4706..4834		

Seq. No.	50375	Seq. ID	OJ991110_08.0419.C14
Gene No.	106955	Strand	-
Start	1408	End	4914
Name	OJ991110_08.0419.C14.o2.gp	Method	AAT/GAP
Start	4056	End	4136
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	4056..4136		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106956	Strand	+
Start	524	End	793
Name	OJ991110_08.0419.C15.o1.gs	Method	GENSCAN
Start	524	End	793
GI	none	Score	1
Exons	524..793		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o1.np	Method	AAT/NAP

Start	1	End	4122
GI	7444451	Score	2932
Exons	1..42, 1030..1384, 1456..4122		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o2.gs	Method	GENSCAN
Start	1001	End	6994
GI	none	Score	.43
Exons	1001..1983, 3069..3748, 3809..4071, 6114..6234, 6274..6603, 6700..6768, 6812..6994		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o4.tm	Method	TBLASTX:Maize
Start	1022	End	1267
GI	none	Score	84
Exons	1022..1267, 1038..1256		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o3.ts	Method	TBLASTX:Soybean
Start	1031	End	1255
GI	none	Score	102
Exons	1031..1165, 1038..1166, 1193..1255		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	1925	End	2377
GI	none	Score	83
Exons	1925..2167, 2180..2377, 2223..2357		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	1925	End	2266
GI	none	Score	83
Exons	1925..2182, 1929..2069, 2106..2141, 2177..2266		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	1943	End	2356
GI	none	Score	128
Exons	1943..2167, 2177..2356		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15

Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	1946	End	2263
GI	none	Score	63
Exons	1946..2167, 1950..2069, 2162..2263		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	2379	End	2790
GI	none	Score	37
Exons	2379..2549, 2405..2533, 2574..2789, 2578..2790		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	2899	End	3213
GI	none	Score	146
Exons	2899..3021, 3019..3213, 3022..3195		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o3.tm	Method	TBLASTX:Maize
Start	3067	End	3309
GI	none	Score	88
Exons	3067..3189, 3068..3205, 3220..3306, 3235..3309		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	3638	End	4044
GI	none	Score	43
Exons	3638..3703, 3640..3702, 3694..3915, 3695..3916, 3940..4044		

Seq. No.	50376	Seq. ID	OJ991110_08.0419.C15
Gene No.	106957	Strand	-
Start	1	End	6994
Name	OJ991110_08.0419.C15.o3.tw	Method	TBLASTX:Wheat
Start	3730	End	4083
GI	none	Score	71
Exons	3730..4083, 3731..3955		

Seq. No.	50377	Seq. ID	OJ991110_08.0419.C16
Gene No.	106958	Strand	+
Start	212	End	304
Name	OJ991110_08.0419.C16.o1.gs	Method	GENSCAN
Start	212	End	304
GI	none	Score	.87
Exons	212..304		

Seq. No.	50377	Seq. ID	OJ991110_08.0419.C16
Gene No.	106959	Strand	+

Start	817	End	1104
Name	OJ991110_08.0419.C16.o2.gs	Method	GENSCAN
Start	817	End	1104
GI	none	Score	.95
Exons	817..1104		

Seq. No.	50377	Seq. ID	OJ991110_08.0419.C16
Gene No.	106960	Strand	-
Start	1719	End	2240
Name	OJ991110_08.0419.C16.o3.gs	Method	GENSCAN
Start	1719	End	2240
GI	none	Score	.77
Exons	1719..1804, 2010..2240		

Seq. No.	50378	Seq. ID	OJ991110_08.0419.C17
Gene No.	106961	Strand	+
Start	1	End	857
Name	OJ991110_08.0419.C17.o1.gp	Method	AAT/GAP
Start	1	End	189
GI	none	Score	378
Exons	1..189		

Seq. No.	50378	Seq. ID	OJ991110_08.0419.C17
Gene No.	106961	Strand	+
Start	1	End	857
Name	OJ991110_08.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	857
GI	6498436	Score	100
Exons	1..36, 696..857		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	50379	Seq. ID	OJ991110_08.0419.C20
Gene No.	106962	Strand	+
Start	1427	End	8711
Name	OJ991110_08.0419.C20.o1.gs	Method	GENSCAN
Start	1427	End	8711
GI	none	Score	.52
Exons	1427..1521, 1716..1835, 1861..2071, 5686..5960, 6163..6338, 6716..6741, 7848..8092, 8146..8332, 8614..8711		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106963	Strand	+
Start	1	End	9693
Name	OJ991110_08.0419.C21.o2.np	Method	AAT/NAP
Start	1	End	5998
GI	4544372	Score	633
Exons	1..36, 4032..5998		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106963	Strand	+
Start	1	End	9693
Name	OJ991110_08.0419.C21.o1.gs	Method	GENSCAN
Start	106	End	6019
GI	none	Score	.45
Exons	106..140, 640..1168, 1205..2753, 3073..3272, 3317..3536,		

3612..3884, 3991..4913, 5163..5203, 5305..6019

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106963	Strand	+
Start	1	End	9693
Name	OJ991110_08.0419.C21.o1.np	Method	AAT/NAP
Start	2369	End	4841
GI	7248394	Score	2018
Exons	2369..3017, 3061..3341, 3612..4841		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106963	Strand	+
Start	1	End	9693
Name	OJ991110_08.0419.C21.o3.np	Method	AAT/NAP
Start	3855	End	9693
GI	6069646	Score	107
Exons	3855..3884, 6985..7343, 9675..9693		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106964	Strand	+
Start	14912	End	18012
Name	OJ991110_08.0419.C21.o5.gs	Method	GENSCAN
Start	14912	End	17776
GI	none	Score	.71
Exons	14912..14959, 15175..15282, 15690..15863, 15906..15997, 16042..16335, 17207..17316, 17736..17776		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106964	Strand	+
Start	14912	End	18012
Name	OJ991110_08.0419.C21.o5.np	Method	AAT/NAP
Start	15454	End	18012
GI	7340881	Score	936
Exons	15454..15543, 15690..15813, 15906..15997, 16053..16335, 17771..17877, 17983..18012		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106965	Strand	-
Start	6178	End	8029
Name	OJ991110_08.0419.C21.o2.gs	Method	GENSCAN
Start	6178	End	8029
GI	none	Score	.89
Exons	6178..6204, 6210..6389, 7282..7455, 7871..8029		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106966	Strand	-

Start	9693	End	11441
Name	OJ991110_08.0419.C21.o3.gs	Method	GENSCAN
Start	9693	End	10552
GI	none	Score	.9
Exons	9693..9801, 9930..10091, 10434..10552		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106966	Strand	-
Start	9693	End	11441
Name	OJ991110_08.0419.C21.o4.np	Method	AAT/NAP
Start	9703	End	10030
GI	5091536	Score	65
Exons	9703..9801, 9930..10030		
GI Descrip.	(AC007067) T10O24.5 [Arabidopsis thaliana]		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106966	Strand	-
Start	9693	End	11441
Name	OJ991110_08.0419.C21.o1.gp	Method	AAT/GAP
Start	9957	End	11441
GI	2796844	Score	275
Exons	9957..10091, 11371..11441		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o2.tm	Method	TBLASTX:Maize
Start	959	End	1327
GI	none	Score	157
Exons	959..1084, 976..1083, 1109..1327, 1114..1230		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o4.ts	Method	TBLASTX:Soybean
Start	2468	End	2830
GI	none	Score	193
Exons	2468..2830		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o3.ts	Method	TBLASTX:Soybean
Start	3311	End	3679
GI	none	Score	144
Exons	3311..3529, 3545..3679		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o1.tw	Method	TBLASTX:Wheat
Start	3473	End	3882
GI	none	Score	609
Exons	3473..3880, 3481..3882, 3490..3813, 3599..3829, 3810..3881		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-

Start	13012	End	14207
Name	OJ991110_08.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	3533	End	3795
GI	none	Score	373
Exons	3533..3793, 3535..3795		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	3921	End	4277
GI	none	Score	100
Exons	3921..4004, 4034..4123, 4035..4277, 4160..4273		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o2.tw	Method	TBLASTX:Wheat
Start	4050	End	4412
GI	none	Score	190
Exons	4050..4412		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o4.tm	Method	TBLASTX:Maize
Start	4791	End	5144
GI	none	Score	185
Exons	4791..5144		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o3.tw	Method	TBLASTX:Wheat
Start	5567	End	5983
GI	none	Score	90
Exons	5567..5707, 5759..5983		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o2.ts	Method	TBLASTX:Soybean
Start	5759	End	6004
GI	none	Score	249
Exons	5759..6004, 5803..5889, 5959..6000		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207
Name	OJ991110_08.0419.C21.o3.tm	Method	TBLASTX:Maize
Start	5777	End	6016
GI	none	Score	97
Exons	5777..5854, 5840..5908, 5906..6016		

Seq. No.	50380	Seq. ID	OJ991110_08.0419.C21
Gene No.	106967	Strand	-
Start	13012	End	14207

Name	OJ991110_08.0419.C21.o4.gs	Method	GENSCAN
Start	13012	End	14207
GI	none	Score	.82
Exons	13012..13130, 13138..13449, 14138..14207		

Seq. No.	50381	Seq. ID	OJ991110_08.0419.C22
Gene No.	106968	Strand	+
Start	1	End	1616
Name	OJ991110_08.0419.C22.o1.np	Method	AAT/NAP
Start	1	End	1616
GI	7486827	Score	154
Exons	1..322, 1590..1616		
GI Descrip.	hypothetical protein T10I14.150 - Arabidopsis thaliana gi|2832682|emb|CAA16782.1| (AL021712) hypothetical protein [Arabidopsis thaliana] gi|7269078|emb|CAB79187.1| (AL161557) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50381	Seq. ID	OJ991110_08.0419.C22
Gene No.	106968	Strand	+
Start	1	End	1616
Name	OJ991110_08.0419.C22.o1.gs	Method	GENSCAN
Start	73	End	940
GI	none	Score	.96
Exons	73..310, 914..940		

Seq. No.	50382	Seq. ID	OJ991110_08.0419.C23
Gene No.	106969	Strand	-
Start	1365	End	3541
Name	OJ991110_08.0419.C23.o1.gp	Method	AAT/GAP
Start	996	End	2910
GI	2835_1.R1084	Score	1424
Exons	996..1472, 2378..2506, 2719..2910		
GI Descrip.	'4455201/emb|CAB36524.1| 3.0e-42 (AL035440) grpE like protein [Arabidopsis thaliana]'		

Seq. No.	50382	Seq. ID	OJ991110_08.0419.C23
Gene No.	106969	Strand	-
Start	1365	End	3541
Name	OJ991110_08.0419.C23.o1.gs	Method	GENSCAN
Start	1365	End	3529
GI	none	Score	.95
Exons	1365..1472, 2378..2506, 2719..2886, 3477..3529		

Seq. No.	50382	Seq. ID	OJ991110_08.0419.C23
Gene No.	106969	Strand	-
Start	1365	End	3541
Name	OJ991110_08.0419.C23.o1.np	Method	AAT/NAP
Start	1377	End	2886
GI	7485329	Score	398
Exons	1377..1472, 2378..2506, 2719..2886		
GI Descrip.	hypothetical protein F10M23.120 - Arabidopsis thaliana gi|4455201|emb|CAB36524.1| (AL035440) grpE like protein [Arabidopsis thaliana] gi|7269530|emb|CAB79533.1| (AL161565) grpE like protein [Arabidopsis thaliana]		

Seq. No.	50382	Seq. ID	OJ991110_08.0419.C23
Gene No.	106969	Strand	-

Start	1365	End	3541
Name	OJ991110_08.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	1378	End	3532
GI	none	Score	99
Exons	1378..1473, 1404..1490, 1434..1493, 2370..2507, 2371..2517, 2375..2509, 2698..2883, 2714..2884, 2717..2884, 2718..2885, 2718..2894, 3403..3522, 3404..3532, 3408..3521		

Seq. No.	50382	Seq. ID	OJ991110_08.0419.C23
Gene No.	106969	Strand	-
Start	1365	End	3541
Name	OJ991110_08.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	2378	End	2884
GI	none	Score	87
Exons	2378..2509, 2379..2507, 2695..2790, 2698..2799, 2714..2815, 2803..2883, 2804..2884		

Seq. No.	50382	Seq. ID	OJ991110_08.0419.C23
Gene No.	106969	Strand	-
Start	1365	End	3541
Name	OJ991110_08.0419.C23.o2.gp	Method	AAT/GAP
Start	3237	End	3541
GI	3760430	Score	258
Exons	3237..3541		

Seq. No.	50383	Seq. ID	OJ991110_08.0419.C24
Gene No.	106970	Strand	-
Start	185	End	427
Name	OJ991110_08.0419.C24.o1.gp	Method	AAT/GAP
Start	185	End	427
GI	none	Score	443
Exons	185..427		

Seq. No.	50383	Seq. ID	OJ991110_08.0419.C24
Gene No.	106970	Strand	-
Start	185	End	427
Name	OJ991110_08.0419.C24.o1.gs	Method	GENSCAN
Start	191	End	334
GI	none	Score	.68
Exons	191..334		

Seq. No.	50384	Seq. ID	OJ991110_08.0419.C26
Gene No.	106971	Strand	+
Start	1	End	697
Name	OJ991110_08.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	664
GI	6522933	Score	368
Exons	1..52, 114..664		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	50384	Seq. ID	OJ991110_08.0419.C26
Gene No.	106971	Strand	+
Start	1	End	697
Name	OJ991110_08.0419.C26.o1.gs	Method	GENSCAN
Start	14	End	697
GI	none	Score	1
Exons	14..697		

Seq. No.	50385	Seq. ID	OJ991110_08.0419.C29
Gene No.	106972	Strand	-
Start	194	End	654
Name	OJ991110_08.0419.C29.o1.gp	Method	AAT/GAP
Start	194	End	654
GI	LIB3432-059-P1-K1-D8	Score	714
Exons	194..654		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106973	Strand	+
Start	1182	End	7337
Name	OJ991110_08.0419.C30.o1.np	Method	AAT/NAP
Start	1182	End	7337
GI	7228457	Score	9207
Exons	1182..1548, 1613..3548, 3612..4446, 4569..5720, 5787..7337		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o6.tw	Method	TBLASTX:Wheat
Start	1839	End	2231
GI	none	Score	58
Exons	1839..1886, 1893..1991, 1910..1990, 1958..2197, 1974..2231		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o5.tm	Method	TBLASTX:Maize
Start	1844	End	2129
GI	none	Score	193
Exons	1844..2128, 1881..2129		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o3.tw	Method	TBLASTX:Wheat
Start	2969	End	3455
GI	none	Score	413
Exons	2969..3142, 2970..3455, 3164..3451		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o1.tw	Method	TBLASTX:Wheat
Start	3620	End	4082
GI	none	Score	588
Exons	3620..4081, 3621..4082		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206

Name	OJ991110_08.0419.C30.o3.ts	Method	TBLASTX:Soybean
Start	3660	End	4025
GI	none	Score	117
Exons	3660..3884, 3891..4025		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	3750	End	4106
GI	none	Score	392
Exons	3750..4106, 3785..4096, 3837..4106		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o3.tm	Method	TBLASTX:Maize
Start	4133	End	4517
GI	none	Score	360
Exons	4133..4498, 4134..4517		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o2.tw	Method	TBLASTX:Wheat
Start	4191	End	4615
GI	none	Score	488
Exons	4191..4610, 4196..4615		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	4269	End	4640
GI	none	Score	271
Exons	4269..4640, 4286..4429		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o5.tw	Method	TBLASTX:Wheat
Start	5241	End	5699
GI	none	Score	234
Exons	5241..5489, 5265..5489, 5330..5503, 5550..5699, 5559..5696, 5561..5698		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o2.ts	Method	TBLASTX:Soybean
Start	5388	End	5954
GI	5666795	Score	68
Exons	5388..5486, 5562..5699, 5754..5954		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-

Start	7970	End	11206
Name	OJ991110_08.0419.C30.o8.tw	Method	TBLASTX:Wheat
Start	5702	End	6014
GI	none	Score	192
Exons	5702..5878, 5715..5903, 5754..6014		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o2.tm	Method	TBLASTX:Maize
Start	6207	End	6530
GI	none	Score	362
Exons	6207..6530, 6236..6517		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o4.tw	Method	TBLASTX:Wheat
Start	6344	End	6725
GI	none	Score	375
Exons	6344..6400, 6345..6725, 6446..6694		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o7.tw	Method	TBLASTX:Wheat
Start	6726	End	7328
GI	none	Score	265
Exons	6726..7010, 6731..7009, 7202..7324, 7203..7328		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o4.tm	Method	TBLASTX:Maize
Start	7197	End	7367
GI	none	Score	197
Exons	7197..7367, 7202..7366		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o2.gs	Method	GENSCAN
Start	7970	End	11206
GI	none	Score	.9
Exons	7970..11206		

Seq. No.	50386	Seq. ID	OJ991110_08.0419.C30
Gene No.	106974	Strand	-
Start	7970	End	11206
Name	OJ991110_08.0419.C30.o2.np	Method	AAT/NAP
Start	7973	End	11206
GI	6907089	Score	4128
Exons	7973..9851, 9945..11206		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50387	Seq. ID	OJ991110_08.0419.C31
Gene No.	106975	Strand	-

Start	696	End	2707
Name	OJ991110_08.0419.C31.o1.gs	Method	GENSCAN
Start	696	End	2382
GI	none	Score	.49
Exons	696..734, 983..1072, 1074..1274, 2227..2382		

Seq. No.	50387	Seq. ID	OJ991110_08.0419.C31
Gene No.	106975	Strand	-
Start	696	End	2707
Name	OJ991110_08.0419.C31.o1.np	Method	AAT/NAP
Start	1008	End	2707
GI	7452062	Score	147
Exons	1008..1269, 2435..2509, 2667..2707		
GI Descrip.	hypothetical protein YUP8H12R.36 - Arabidopsis thaliana gi|3152596|gb|AAC17077.1| (AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	50388	Seq. ID	OJ991110_08.0419.C32
Gene No.	106976	Strand	-
Start	972	End	4912
Name	OJ991110_08.0419.C32.o1.np	Method	AAT/NAP
Start	972	End	4912
GI	7452062	Score	180
Exons	972..1092, 1165..1280, 2332..2376, 4539..4577, 4806..4912		
GI Descrip.	hypothetical protein YUP8H12R.36 - Arabidopsis thaliana gi|3152596|gb|AAC17077.1| (AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	50388	Seq. ID	OJ991110_08.0419.C32
Gene No.	106976	Strand	-
Start	972	End	4912
Name	OJ991110_08.0419.C32.o1.gs	Method	GENSCAN
Start	1024	End	4871
GI	none	Score	.68
Exons	1024..1092, 1165..1215, 2329..2376, 2507..2587, 4539..4577, 4806..4871		

Seq. No.	50389	Seq. ID	OJ991110_08.0419.C33
Gene No.	106977	Strand	-
Start	644	End	1990
Name	OJ991110_08.0419.C33.o1.gs	Method	GENSCAN
Start	644	End	1987
GI	none	Score	.6
Exons	644..718, 1200..1323, 1663..1783, 1858..1987		

Seq. No.	50389	Seq. ID	OJ991110_08.0419.C33
Gene No.	106977	Strand	-
Start	644	End	1990
Name	OJ991110_08.0419.C33.o2.tm	Method	TBLASTX:Maize
Start	1194	End	1330
GI	none	Score	156
Exons	1194..1325, 1201..1323, 1208..1330		

Seq. No.	50389	Seq. ID	OJ991110_08.0419.C33
Gene No.	106977	Strand	-
Start	644	End	1990
Name	OJ991110_08.0419.C33.o1.np	Method	AAT/NAP

Start	1198	End	1987
GI	7452062	Score	213
Exons	1198..1377, 1635..1761, 1825..1987		
GI Descrip.	hypothetical protein YUP8H12R.36 - Arabidopsis thaliana gi|3152596|gb|AAC17077.1| (AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	50389	Seq. ID	OJ991110_08.0419.C33
Gene No.	106977	Strand	-
Start	644	End	1990
Name	OJ991110_08.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	1676	End	1990
GI	none	Score	70
Exons	1676..1768, 1700..1768, 1811..1972, 1858..1989, 1859..1990		

Seq. No.	50390	Seq. ID	OJ991110_08.0419.C34
Gene No.	106978	Strand	-
Start	1	End	5457
Name	OJ991110_08.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	331
GI	7452062	Score	107
Exons	1..24, 158..331		
GI Descrip.	hypothetical protein YUP8H12R.36 - Arabidopsis thaliana gi|3152596|gb|AAC17077.1| (AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	50390	Seq. ID	OJ991110_08.0419.C34
Gene No.	106978	Strand	-
Start	1	End	5457
Name	OJ991110_08.0419.C34.o1.gs	Method	GENSCAN
Start	170	End	5457
GI	none	Score	.56
Exons	170..311, 3000..3085, 4303..4347, 4489..4512, 4789..4864, 5069..5457		

Seq. No.	50391	Seq. ID	OJ991110_08.0419.C35
Gene No.	106979	Strand	+
Start	315	End	603
Name	OJ991110_08.0419.C35.o1.gs	Method	GENSCAN
Start	315	End	603
GI	none	Score	.77
Exons	315..603		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106980	Strand	+
Start	44	End	7407
Name	OJ991110_08.0419.C36.o1.np	Method	AAT/NAP
Start	44	End	4101
GI	4406770	Score	903
Exons	44..277, 348..680, 796..859, 1700..1752, 2024..2085, 2762..2830, 2963..3148, 4017..4101		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106980	Strand	+
Start	44	End	7407
Name	OJ991110_08.0419.C36.o1.gp	Method	AAT/GAP

Start	88	End	541
GI	58415_1.R1084	Score	699
Exons	88..277, 348..541		
GI Descrip.	'4406770/gb|AAD20081| 3.0e-17 (AC006836) unknown protein [Arabidopsis thaliana]'		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106980	Strand	+
Start	44	End	7407
Name	OJ991110_08.0419.C36.o1.gs	Method	GENSCAN
Start	176	End	7407
GI	none	Score	.79
Exons	176..277, 348..680, 796..859, 1700..1752, 2024..2079, 2762..2830, 2963..3148, 4017..4077, 5023..5120, 5250..5437, 5449..5676, 6446..6499, 7105..7157, 7327..7407		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106980	Strand	+
Start	44	End	7407
Name	OJ991110_08.0419.C36.o1.ts	Method	TBLASTX:Soybean
Start	235	End	4077
GI	none	Score	41
Exons	235..267, 245..265, 374..577, 378..578, 560..685, 561..683, 793..864, 795..863, 1696..1749, 2763..2828, 2763..2831, 2963..3142, 2964..3149, 4015..4077		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106980	Strand	+
Start	44	End	7407
Name	OJ991110_08.0419.C36.o1.tc	Method	TBLASTX:Cress
Start	238	End	4130
GI	none	Score	39
Exons	238..276, 245..265, 384..578, 395..577, 560..685, 567..683, 784..861, 793..864, 1696..1755, 2771..2824, 2772..2825, 2773..2844, 2963..3022, 2964..3029, 3054..3149, 3056..3133, 4014..4097, 4014..4130, 4015..4098		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106980	Strand	+
Start	44	End	7407
Name	OJ991110_08.0419.C36.o1.tm	Method	TBLASTX:Maize
Start	238	End	4116
GI	none	Score	43
Exons	238..285, 245..265, 380..577, 381..578, 557..685, 561..683, 793..861, 798..860, 1696..1755, 1698..1754, 2721..2825, 2760..2828, 2761..2826, 2956..3144, 2958..3137, 2960..3145, 2964..3149, 4014..4085, 4014..4100, 4015..4116		

Seq. No.	50392	Seq. ID	OJ991110_08.0419.C36
Gene No.	106981	Strand	
Start	8677	End	9135
Name	OJ991110_08.0419.C36.o2.tm	Method	TBLASTX:Maize
Start	8677	End	9135
GI	none	Score	70
Exons	8677..8868, 8677..8856, 8863..9135		

Seq. No.	50393	Seq. ID	OJ991110_08.0419.C37

Gene No.	106982	Strand	+
Start	1	End	1369
Name	OJ991110_08.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	1369
GI	6850833	Score	115
Exons	1..40, 163..243, 320..435, 527..733, 1345..1369		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	50393	Seq. ID	OJ991110_08.0419.C37
Gene No.	106982	Strand	+
Start	1	End	1369
Name	OJ991110_08.0419.C37.o1.gs	Method	GENSCAN
Start	130	End	718
GI	none	Score	.67
Exons	130..231, 311..435, 527..718		

Seq. No.	50394	Seq. ID	OJ991110_08.0419.C41
Gene No.	106983	Strand	+
Start	1	End	955
Name	OJ991110_08.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	955
GI	7228448	Score	66
Exons	1..156, 838..955		
GI Descrip.	(AP001366) ESTs AU068685(C30691),AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]		

Seq. No.	50394	Seq. ID	OJ991110_08.0419.C41
Gene No.	106983	Strand	+
Start	1	End	955
Name	OJ991110_08.0419.C41.o1.gs	Method	GENSCAN
Start	46	End	891
GI	none	Score	.47
Exons	46..891		

Seq. No.	50395	Seq. ID	OJ990530_35.0421.C7
Gene No.	106984	Strand	-
Start	374	End	2206
Name	OJ990530_35.0421.C7.o1.np	Method	AAT/NAP
Start	374	End	2206
GI	6069646	Score	77
Exons	374..544, 2177..2206		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50395	Seq. ID	OJ990530_35.0421.C7
Gene No.	106984	Strand	-
Start	374	End	2206
Name	OJ990530_35.0421.C7.o1.gs	Method	GENSCAN
Start	391	End	574
GI	none	Score	.59
Exons	391..574		

Seq. No.	50396	Seq. ID	OJ990530_35.0421.C9
Gene No.	106985	Strand	+
Start	1094	End	1412
Name	OJ990530_35.0421.C9.o1.gs	Method	GENSCAN
Start	1094	End	1385
GI	none	Score	.41
Exons	1094..1385		

Seq. No.	50396	Seq. ID	OJ990530_35.0421.C9
Gene No.	106985	Strand	+
Start	1094	End	1412
Name	OJ990530_35.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	1121	End	1412
GI	none	Score	211
Exons	1121..1333, 1147..1329, 1389..1412		

Seq. No.	50396	Seq. ID	OJ990530_35.0421.C9
Gene No.	106985	Strand	+
Start	1094	End	1412
Name	OJ990530_35.0421.C9.o1.gp	Method	AAT/GAP
Start	1129	End	1406
GI	none	Score	465
Exons	1129..1406		

Seq. No.	50397	Seq. ID	OJ990530_35.0421.C10
Gene No.	106986	Strand	-
Start	100	End	1786
Name	OJ990530_35.0421.C10.o1.gs	Method	GENSCAN
Start	100	End	1786
GI	none	Score	.83
Exons	100..190, 1032..1070, 1184..1441, 1489..1663, 1779..1786		

Seq. No.	50397	Seq. ID	OJ990530_35.0421.C10
Gene No.	106986	Strand	-
Start	100	End	1786
Name	OJ990530_35.0421.C10.o1.gp	Method	AAT/GAP
Start	777	End	1668
GI	none	Score	1248
Exons	777..1070, 1184..1390, 1489..1668		

Seq. No.	50397	Seq. ID	OJ990530_35.0421.C10
Gene No.	106986	Strand	-
Start	100	End	1786
Name	OJ990530_35.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	1189	End	1680
GI	none	Score	138
Exons	1189..1383, 1190..1384, 1190..1390, 1198..1392, 1488..1550, 1488..1664, 1489..1680, 1490..1666, 1594..1677		

Seq. No.	50398	Seq. ID	OJ990530_35.0421.C11
Gene No.	106987	Strand	+
Start	610	End	820
Name	OJ990530_35.0421.C11.o1.gs	Method	GENSCAN
Start	610	End	820
GI	none	Score	.57
Exons	610..820		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304
Name	OJ990530_35.0421.C12.o1.np	Method	AAT/NAP
Start	169	End	1898
GI	7431376	Score	899
Exons	169..312, 340..489, 652..789, 999..1155, 1301..1605, 1761..1898		
GI Descrip.	hypothetical protein F17M5.120 - Arabidopsis thaliana gi|4490303|emb|CAB38794.1| (AL035678) putative protein [Arabidopsis thaliana] gi|7270284|emb|CAB80053.1| (AL161583) putative protein [Arabidopsis thaliana]		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304
Name	OJ990530_35.0421.C12.o1.gs	Method	GENSCAN
Start	205	End	2264
GI	none	Score	.69
Exons	205..489, 652..780, 961..1155, 1301..1605, 2150..2264		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304
Name	OJ990530_35.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	205	End	2304
GI	none	Score	134
Exons	205..339, 216..284, 235..339, 349..510, 361..498, 646..714, 681..713, 708..761, 709..762, 711..758, 2260..2304		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304
Name	OJ990530_35.0421.C12.o2.ts	Method	TBLASTX:Soybean
Start	205	End	783
GI	none	Score	87
Exons	205..339, 349..540, 349..486, 646..783, 684..773		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304
Name	OJ990530_35.0421.C12.o1.tc	Method	TBLASTX:Cress
Start	205	End	1832
GI	none	Score	107
Exons	205..339, 349..540, 652..747, 982..1110, 1001..1114, 1300..1548, 1301..1549, 1758..1787, 1788..1832		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304
Name	OJ990530_35.0421.C12.o1.ts	Method	TBLASTX:Soybean
Start	1301	End	1531
GI	none	Score	187
Exons	1301..1531, 1306..1509		

Seq. No.	50399	Seq. ID	OJ990530_35.0421.C12
Gene No.	106988	Strand	+
Start	169	End	2304

Name	OJ990530_35.0421.C12.o2.tm	Method	TBLASTX:Maize
Start	1499	End	1931
GI	none	Score	62
Exons	1499..1549, 1504..1533, 1537..1605, 1545..1619, 1548..1619, 1763..1906, 1764..1931, 1764..1907		

Seq. No.	50400	Seq. ID	OJ990530_35.0421.C13
Gene No.	106989	Strand	+
Start	1	End	584
Name	OJ990530_35.0421.C13.o1.np	Method	AAT/NAP
Start	1	End	584
GI	7431376	Score	515
Exons	1..358, 447..584		
GI Descrip.	hypothetical protein F17M5.120 - Arabidopsis thaliana gi|4490303|emb|CAB38794.1| (AL035678) putative protein [Arabidopsis thaliana] gi|7270284|emb|CAB80053.1| (AL161583) putative protein [Arabidopsis thaliana]		

Seq. No.	50400	Seq. ID	OJ990530_35.0421.C13
Gene No.	106990	Strand	+
Start	542	End	764
Name	OJ990530_35.0421.C13.o1.ts	Method	TBLASTX:Soybean
Start	31	End	334
GI	none	Score	260
Exons	31..333, 56..334		

Seq. No.	50400	Seq. ID	OJ990530_35.0421.C13
Gene No.	106990	Strand	+
Start	542	End	764
Name	OJ990530_35.0421.C13.o1.tc	Method	TBLASTX:Cress
Start	52	End	518
GI	none	Score	332
Exons	52..318, 56..316, 440..472, 444..473, 474..518		

Seq. No.	50400	Seq. ID	OJ990530_35.0421.C13
Gene No.	106990	Strand	+
Start	542	End	764
Name	OJ990530_35.0421.C13.o1.tm	Method	TBLASTX:Maize
Start	251	End	740
GI	none	Score	167
Exons	251..370, 255..356, 260..358, 446..592, 447..608, 663..740		

Seq. No.	50400	Seq. ID	OJ990530_35.0421.C13
Gene No.	106990	Strand	+
Start	542	End	764
Name	OJ990530_35.0421.C13.o1.gp	Method	AAT/GAP
Start	542	End	764
GI	427687	Score	418
Exons	542..764		

Seq. No.	50401	Seq. ID	OJ990530_35.0421.C19
Gene No.	106991	Strand	+
Start	186	End	1202
Name	OJ990530_35.0421.C19.o1.gs	Method	GENSCAN
Start	186	End	1202
GI	none	Score	.57
Exons	186..292, 447..471, 967..1202		

Seq. No.	50401	Seq. ID	OJ990530_35.0421.C19
Gene No.	106991	Strand	+
Start	186	End	1202
Name	OJ990530_35.0421.C19.o1.gp	Method	AAT/GAP
Start	246	End	829
GI	none	Score	885
Exons	246..292, 410..829		

Seq. No.	50401	Seq. ID	OJ990530_35.0421.C19
Gene No.	106992	Strand	+
Start	2295	End	2508
Name	OJ990530_35.0421.C19.o2.gp	Method	AAT/GAP
Start	2295	End	2508
GI	3107396	Score	417
Exons	2295..2508		

Seq. No.	50401	Seq. ID	OJ990530_35.0421.C19
Gene No.	106993	Strand	-
Start	1954	End	2940
Name	OJ990530_35.0421.C19.o2.gs	Method	GENSCAN
Start	1954	End	2940
GI	none	Score	.84
Exons	1954..2121, 2196..2323, 2531..2590, 2685..2849, 2874..2940		

Seq. No.	50402	Seq. ID	OJ990530_35.0421.C26
Gene No.	106994	Strand	-
Start	495	End	962
Name	OJ990530_35.0421.C26.o1.gs	Method	GENSCAN
Start	495	End	962
GI	none	Score	.44
Exons	495..640, 797..962		

Seq. No.	50403	Seq. ID	OJ990530_35.0421.C27
Gene No.	106995	Strand	-
Start	130	End	1226
Name	OJ990530_35.0421.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	802
GI	none	Score	115
Exons	1..132, 2..133, 131..172, 175..282, 185..280, 689..760, 690..761, 691..762, 695..802		

Seq. No.	50403	Seq. ID	OJ990530_35.0421.C27
Gene No.	106995	Strand	-
Start	130	End	1226
Name	OJ990530_35.0421.C27.o1.gs	Method	GENSCAN
Start	130	End	1158
GI	none	Score	.7
Exons	130..279, 691..874, 1043..1158		

Seq. No.	50403	Seq. ID	OJ990530_35.0421.C27
Gene No.	106995	Strand	-
Start	130	End	1226
Name	OJ990530_35.0421.C27.o1.gp	Method	AAT/GAP
Start	147	End	1226
GI	none	Score	942
Exons	147..279, 691..904, 1043..1226		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.gp	Method	AAT/GAP
Start	1	End	1229
GI	841_1.R1084	Score	879
Exons	1..158, 267..453, 788..833, 1031..1078, 1184..1229		
GI Descrip.	'4105639/gb|AAD02489.1| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]'		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.np	Method	AAT/NAP
Start	1	End	1229
GI	4105639	Score	679
Exons	1..158, 267..453, 788..833, 1031..1078, 1184..1229		
GI Descrip.	(AF049356) phytoene desaturase precursor [Oryza sativa]		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	318
GI	none	Score	145
Exons	1..159, 2..160, 6..161, 266..304, 295..318		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.tc	Method	TBLASTX:Cress
Start	2	End	1228
GI	none	Score	213
Exons	2..160, 6..161, 7..168, 266..304, 267..302, 293..454, 295..456, 304..456, 375..461, 788..835, 1027..1086, 1030..1086, 1178..1228, 1183..1227		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1228
GI	none	Score	129
Exons	2..160, 8..157, 12..161, 257..295, 264..296, 266..304, 290..454, 295..456, 295..456, 297..461, 784..819, 788..835, 1026..1070, 1027..1080, 1030..1086, 1178..1228, 1183..1227		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.tw	Method	TBLASTX:Wheat
Start	2	End	837
GI	none	Score	168
Exons	2..154, 2..160, 6..161, 257..295, 266..304, 267..296, 290..454, 295..462, 295..456, 786..836, 787..834, 787..837		

Seq. No.	50404	Seq. ID	OJ990530_35.0421.C28
Gene No.	106996	Strand	-
Start	1	End	1229
Name	OJ990530_35.0421.C28.o1.gs	Method	GENSCAN
Start	82	End	833
GI	none	Score	.84
Exons	82..158, 309..453, 788..833		

Seq. No.	50405	Seq. ID	OJ990530_35.0421.C29
Gene No.	106997	Strand	-
Start	1	End	922
Name	OJ990530_35.0421.C29.o1.gp	Method	AAT/GAP
Start	1	End	814
GI	841_1.R1084	Score	739
Exons	1..75, 223..311, 426..557, 632..814		
GI Descrip.	'4105639/gb|AAD02489.1| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]'		

Seq. No.	50405	Seq. ID	OJ990530_35.0421.C29
Gene No.	106997	Strand	-
Start	1	End	922
Name	OJ990530_35.0421.C29.o1.np	Method	AAT/NAP
Start	1	End	799
GI	4105639	Score	582
Exons	1..75, 223..311, 426..557, 632..799		
GI Descrip.	(AF049356) phytoene desaturase precursor [Oryza sativa]		

Seq. No.	50405	Seq. ID	OJ990530_35.0421.C29
Gene No.	106997	Strand	-
Start	1	End	922
Name	OJ990530_35.0421.C29.o1.tm	Method	TBLASTX:Maize
Start	226	End	922
GI	none	Score	138
Exons	226..297, 227..313, 228..314, 421..537, 425..508, 519..563, 521..586, 522..581, 628..717, 629..718, 630..719, 701..787, 722..847, 738..785, 771..851, 776..922, 778..849		

Seq. No.	50405	Seq. ID	OJ990530_35.0421.C29
Gene No.	106997	Strand	-
Start	1	End	922
Name	OJ990530_35.0421.C29.o1.gs	Method	GENSCAN
Start	426	End	834
GI	none	Score	.6
Exons	426..557, 753..834		

Seq. No.	50406	Seq. ID	OJ990530_35.0421.C30
Gene No.	106998	Strand	+
Start	462	End	717
Name	OJ990530_35.0421.C30.o1.np	Method	AAT/NAP
Start	462	End	717
GI	5669167	Score	114
Exons	462..527, 605..717		
GI Descrip.	(AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia]		

Seq. No.	50406	Seq. ID	OJ990530_35.0421.C30
Gene No.	106998	Strand	+

Start	462	End	717
Name	OJ990530_35.0421.C30.o1.gs	Method	GENSCAN
Start	465	End	527
GI	none	Score	.65
Exons	465..527		

Seq. No.	50407	Seq. ID	OJ990530_35.0421.C33
Gene No.	106999	Strand	+
Start	262	End	1011
Name	OJ990530_35.0421.C33.o1.np	Method	AAT/NAP
Start	262	End	1011
GI	7489783	Score	401
Exons	262..406, 500..571, 654..728, 811..882, 970..1011		
GI Descrip.	leucine-rich repeat transmembrane protein kinase 1 - maize (fragment) gi|3360289|gb|AAC27894.1| (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	50407	Seq. ID	OJ990530_35.0421.C33
Gene No.	106999	Strand	+
Start	262	End	1011
Name	OJ990530_35.0421.C33.o1.gp	Method	AAT/GAP
Start	275	End	1011
GI	49249_1.R1084	Score	675
Exons	275..406, 500..571, 654..728, 811..882, 970..1011		
GI Descrip.	'3360289 1.0e-126 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]'		

Seq. No.	50407	Seq. ID	OJ990530_35.0421.C33
Gene No.	107000	Strand	-
Start	253	End	1011
Name	OJ990530_35.0421.C33.o1.gs	Method	GENSCAN
Start	253	End	561
GI	none	Score	.63
Exons	253..351, 445..561		

Seq. No.	50407	Seq. ID	OJ990530_35.0421.C33
Gene No.	107000	Strand	-
Start	253	End	1011
Name	OJ990530_35.0421.C33.o1.tm	Method	TBLASTX:Maize
Start	274	End	1011
GI	none	Score	101
Exons	274..345, 275..343, 276..344, 315..401, 350..406, 351..383, 501..584, 502..570, 504..611, 654..728, 655..729, 791..880, 810..881, 811..882, 812..883, 958..1011, 971..1009		

Seq. No.	50408	Seq. ID	OJ990530_35.0421.C35
Gene No.	107001	Strand	+
Start	183	End	482
Name	OJ990530_35.0421.C35.o1.gs	Method	GENSCAN
Start	183	End	482
GI	none	Score	.61
Exons	183..482		

Seq. No.	50408	Seq. ID	OJ990530_35.0421.C35
Gene No.	107002	Strand	-
Start	1148	End	1376
Name	OJ990530_35.0421.C35.o1.np	Method	AAT/NAP

Start	1142	End	1376
GI	7433702	Score	168
Exons	1142..1376		
GI Descrip.	serine O-acetyltransferase (EC 2.3.1.30) - spinach gi|1657233|dbj|BAA13634.1| (D88529) serine acetyltransferase [Spinacia oleracea] gi|1657235|dbj|BAA13635.1| (D88530) serine acetyltransferase [Spinacia oleracea]		

Seq. No.	50408	Seq. ID	OJ990530_35.0421.C35
Gene No.	107002	Strand	-
Start	1148	End	1376
Name	OJ990530_35.0421.C35.o2.gs	Method	GENSCAN
Start	1148	End	1313
GI	none	Score	.53
Exons	1148..1313		

Seq. No.	50409	Seq. ID	OJ990530_35.0421.C40
Gene No.	107003	Strand	-
Start	1	End	1523
Name	OJ990530_35.0421.C40.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	7452422	Score	823
Exons	1..1048, 1485..1523		
GI Descrip.	hypothetical protein F10M10.80 - Arabidopsis thaliana gi|4455176|emb|CAB36708.1| (AL035521) hypothetical protein [Arabidopsis thaliana] gi|7270381|emb|CAB80148.1| (AL161585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50409	Seq. ID	OJ990530_35.0421.C40
Gene No.	107003	Strand	-
Start	1	End	1523
Name	OJ990530_35.0421.C40.o1.gs	Method	GENSCAN
Start	524	End	1014
GI	none	Score	.56
Exons	524..718, 754..1014		

Seq. No.	50410	Seq. ID	OJ990530_35.0421.C46
Gene No.	107004	Strand	-
Start	1	End	723
Name	OJ990530_35.0421.C46.o1.np	Method	AAT/NAP
Start	1	End	723
GI	5669167	Score	644
Exons	1..333, 409..554, 656..723		
GI Descrip.	(AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia]		

Seq. No.	50410	Seq. ID	OJ990530_35.0421.C46
Gene No.	107004	Strand	-
Start	1	End	723
Name	OJ990530_35.0421.C46.o1.tc	Method	TBLASTX:Cress
Start	2	End	721
GI	none	Score	92
Exons	2..85, 3..86, 68..124, 137..343, 156..173, 252..344, 392..520, 407..523, 408..524, 650..721		

Seq. No.	50410	Seq. ID	OJ990530_35.0421.C46
Gene No.	107004	Strand	-

Start	1	End	723
Name	OJ990530_35.0421.C46.o1.tm	Method	TBLASTX:Maize
Start	2	End	721
GI	none	Score	101
Exons	2..124, 3..95, 137..343, 156..353, 407..538, 408..524, 650..721, 663..719		

Seq. No.	50410	Seq. ID	OJ990530_35.0421.C46
Gene No.	107004	Strand	-
Start	1	End	723
Name	OJ990530_35.0421.C46.o1.ts	Method	TBLASTX:Soybean
Start	2	End	721
GI	none	Score	101
Exons	2..124, 3..92, 137..343, 156..176, 252..353, 407..523, 408..524, 650..721		

Seq. No.	50410	Seq. ID	OJ990530_35.0421.C46
Gene No.	107004	Strand	-
Start	1	End	723
Name	OJ990530_35.0421.C46.o1.tw	Method	TBLASTX:Wheat
Start	2	End	716
GI	none	Score	95
Exons	2..124, 3..92, 137..343, 149..217, 252..353, 392..520, 406..519, 407..523, 408..542, 636..716, 650..709		

Seq. No.	50410	Seq. ID	OJ990530_35.0421.C46
Gene No.	107004	Strand	-
Start	1	End	723
Name	OJ990530_35.0421.C46.o1.gs	Method	GENSCAN
Start	11	End	526
GI	none	Score	.99
Exons	11..333, 409..526		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107005	Strand	+
Start	8432	End	10046
Name	OJ990530_35.0421.C49.o3.np	Method	AAT/NAP
Start	8432	End	10046
GI	6907086	Score	1012
Exons	8432..9201, 9262..9488, 9707..10046		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107006	Strand	-
Start	327	End	5074
Name	OJ990530_35.0421.C49.o1.np	Method	AAT/NAP
Start	327	End	4903
GI	4680179	Score	4619
Exons	327..3744, 3847..4903		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107006	Strand	-
Start	327	End	5074
Name	OJ990530_35.0421.C49.o1.gs	Method	GENSCAN
Start	356	End	5074
GI	none	Score	.99

Exons	356..5074		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o5.tw	Method	TBLASTX:Wheat
Start	371	End	703
GI	none	Score	114
Exons	371..703, 392..541, 423..608, 596..664, 598..696		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o8.tm	Method	TBLASTX:Maize
Start	386	End	549
GI	none	Score	85
Exons	386..544, 388..549, 389..547		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o1.tm	Method	TBLASTX:Maize
Start	554	End	1147
GI	none	Score	64
Exons	554..649, 554..991, 564..773, 722..871, 849..992, 910..993, 989..1147, 996..1142, 998..1144		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o1.tw	Method	TBLASTX:Wheat
Start	704	End	1330
GI	none	Score	255
Exons	704..1330, 828..1235		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o4.tm	Method	TBLASTX:Maize
Start	1199	End	1491
GI	none	Score	97
Exons	1199..1489, 1202..1417, 1299..1478, 1339..1491		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o2.ts	Method	TBLASTX:Soybean
Start	1289	End	1544
GI	none	Score	82
Exons	1289..1417, 1289..1537, 1299..1544		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o1.tc	Method	TBLASTX:Cress
Start	1313	End	1630
GI	none	Score	99

Exons	1313..1456, 1329..1454, 1457..1630, 1511..1609		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o3.tw	Method	TBLASTX:Wheat
Start	1337	End	1861
GI	none	Score	267
Exons	1337..1861, 1341..1709		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o2.tm	Method	TBLASTX:Maize
Start	1899	End	2257
GI	none	Score	229
Exons	1899..2180, 1904..2257, 1956..2255		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o2.tw	Method	TBLASTX:Wheat
Start	1904	End	2330
GI	none	Score	70
Exons	1904..2329, 1906..2043, 1919..2272, 1941..2330		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o3.ts	Method	TBLASTX:Soybean
Start	2078	End	2323
GI	none	Score	212
Exons	2078..2323		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o3.tm	Method	TBLASTX:Maize
Start	2294	End	2794
GI	none	Score	70
Exons	2294..2629, 2316..2585, 2615..2794		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o6.tw	Method	TBLASTX:Wheat
Start	2336	End	2632
GI	none	Score	154
Exons	2336..2632, 2373..2588		
Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o1.ts	Method	TBLASTX:Soybean
Start	2345	End	2740
GI	none	Score	133
Exons	2345..2704, 2373..2588, 2628..2723, 2708..2740, 2708..2740		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o4.tw	Method	TBLASTX:Wheat
Start	2681	End	3164
GI	none	Score	162
Exons	2681..3163, 2693..3136, 2709..3164		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o5.tm	Method	TBLASTX:Maize
Start	2864	End	3151
GI	none	Score	180
Exons	2864..3151, 2865..3050		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o7.tw	Method	TBLASTX:Wheat
Start	3311	End	3710
GI	none	Score	78
Exons	3311..3475, 3360..3479, 3488..3709, 3555..3710		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o7.tm	Method	TBLASTX:Maize
Start	3390	End	3716
GI	none	Score	46
Exons	3390..3473, 3392..3715, 3575..3709, 3603..3716		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o6.tm	Method	TBLASTX:Maize
Start	4025	End	4426
GI	none	Score	241
Exons	4025..4426		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o8.tw	Method	TBLASTX:Wheat
Start	4307	End	4672
GI	none	Score	59
Exons	4307..4672, 4566..4667		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o2.gs	Method	GENSCAN
Start	5392	End	6315
GI	none	Score	.98
Exons	5392..6315		

Seq. No.	50411	Seq. ID	OJ990530_35.0421.C49
Gene No.	107007	Strand	-
Start	5392	End	6315
Name	OJ990530_35.0421.C49.o2.np	Method	AAT/NAP
Start	5395	End	6176
GI	6002794	Score	1294
Exons	5395..6176		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107008	Strand	+
Start	4408	End	4857
Name	OJ990530_35.0421.C50.o1.gp	Method	AAT/GAP
Start	4408	End	4857
GI	none	Score	884
Exons	4408..4857		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107009	Strand	+
Start	13588	End	16529
Name	OJ990530_35.0421.C50.o1.np	Method	AAT/NAP
Start	13588	End	14274
GI	6997193	Score	936
Exons	13588..14274		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107009	Strand	+
Start	13588	End	16529
Name	OJ990530_35.0421.C50.o4.gs	Method	GENSCAN
Start	13588	End	16529
GI	none	Score	.58
Exons	13588..14253, 15649..15697, 16216..16327, 16427..16529		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107010	Strand	+
Start	29530	End	30081
Name	OJ990530_35.0421.C50.o2.np	Method	AAT/NAP
Start	29530	End	30081
GI	6907088	Score	544
Exons	29530..29667, 29843..30081		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107011	Strand	+
Start	30223	End	30551
Name	OJ990530_35.0421.C50.o3.np	Method	AAT/NAP
Start	30223	End	30551
GI	6069659	Score	85
Exons	30223..30346, 30497..30551		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107012	Strand	-
Start	456	End	4552
Name	OJ990530_35.0421.C50.o1.gs	Method	GENSCAN
Start	456	End	4552

GI	none	Score	.65
Exons	456..719, 1383..1503, 2060..2229, 3186..3296, 4325..4552		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107013	Strand	-
Start	5702	End	9377
Name	OJ990530_35.0421.C50.o2.gs	Method	GENSCAN
Start	5702	End	9316
GI	none	Score	.63
Exons	5702..5904, 8617..8716, 8817..8894, 9011..9316		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107013	Strand	-
Start	5702	End	9377
Name	OJ990530_35.0421.C50.o2.gp	Method	AAT/GAP
Start	9011	End	9377
GI	3768067	Score	675
Exons	9011..9377		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107014	Strand	-
Start	10511	End	10753
Name	OJ990530_35.0421.C50.o3.gs	Method	GENSCAN
Start	10511	End	10753
GI	none	Score	.45
Exons	10511..10753		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107015	Strand	-
Start	18428	End	20342
Name	OJ990530_35.0421.C50.o2.tm	Method	TBLASTX:Maize
Start	13591	End	13760
GI	none	Score	126
Exons	13591..13665, 13626..13739, 13626..13760, 13627..13758		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107015	Strand	-
Start	18428	End	20342
Name	OJ990530_35.0421.C50.o1.tm	Method	TBLASTX:Maize
Start	13827	End	14097
GI	none	Score	78
Exons	13827..13877, 13827..13940, 13828..13938, 13936..14097, 13938..14069, 13939..14097		

Seq. No.	50412	Seq. ID	OJ990530_35.0421.C50
Gene No.	107015	Strand	-
Start	18428	End	20342
Name	OJ990530_35.0421.C50.o5.gs	Method	GENSCAN
Start	18428	End	20342
GI	none	Score	.41
Exons	18428..18576, 19658..19816, 20135..20342		

Seq. No.	50413	Seq. ID	OJ990530_35.0421.C51
Gene No.	107016	Strand	+
Start	1	End	914
Name	OJ990530_35.0421.C51.o1.np	Method	AAT/NAP
Start	1	End	914

GI	6983857	Score	740
Exons	1..316, 487..914		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	50413	Seq. ID	OJ990530_35.0421.C51
Gene No.	107016	Strand	+
Start	1	End	914
Name	OJ990530_35.0421.C51.o1.gs	Method	GENSCAN
Start	49	End	336
GI	none	Score	.73
Exons	49..336		

Seq. No.	50414	Seq. ID	OJ990530_35.0421.C52
Gene No.	107017	Strand	+
Start	2724	End	3399
Name	OJ990530_35.0421.C52.o1.gs	Method	GENSCAN
Start	2724	End	3399
GI	none	Score	.5
Exons	2724..2900, 2981..3075, 3306..3399		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107018	Strand	+
Start	88	End	5089
Name	OJ990530_35.0421.C53.o1.np	Method	AAT/NAP
Start	88	End	5083
GI	2147484	Score	2605
Exons	88..181, 561..801, 1392..1509, 2122..2310, 2404..2862, 2995..3096, 3241..3441, 3557..3731, 3869..4140, 4509..4604, 4709..5083		
GI Descrip.	homeotic protein - Phalaenopsis sp gi|1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107018	Strand	+
Start	88	End	5089
Name	OJ990530_35.0421.C53.o1.gs	Method	GENSCAN
Start	527	End	5089
GI	none	Score	.85
Exons	527..801, 1392..1509, 2122..2310, 2404..2862, 2995..3096, 3241..3546, 3557..3731, 3869..4140, 4509..4604, 4709..5089		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107018	Strand	+
Start	88	End	5089
Name	OJ990530_35.0421.C53.o1.gp	Method	AAT/GAP
Start	2417	End	2842
GI	5004265	Score	820
Exons	2417..2842		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107019	Strand	+
Start	5063	End	5645
Name	OJ990530_35.0421.C53.o2.gp	Method	AAT/GAP
Start	5063	End	5645
GI	33381_1.R1084	Score	772
Exons	5063..5135, 5243..5645		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o1.tc	Method	TBLASTX:Cress
Start	728	End	5073
GI	none	Score	53
Exons	728..760, 749..802, 1375..1515, 1394..1510, 2113..2313, 2127..2321, 2388..2447, 2401..2454, 2584..2679, 2713..2886, 2748..2858, 2985..3095, 2995..3099, 3240..3446, 3241..3447, 3548..3727, 3554..3688, 3628..3723, 3862..4140, 3867..4145, 4506..4580, 4508..4603, 4508..4576, 4708..4878, 4714..4788, 4748..4891, 4943..5068, 4954..5073		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o3.ts	Method	TBLASTX:Soybean
Start	1432	End	2472
GI	none	Score	129
Exons	1432..1515, 2113..2313, 2116..2193, 2127..2294, 2383..2472, 2403..2453		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o4.tm	Method	TBLASTX:Maize
Start	1432	End	2472
GI	none	Score	137
Exons	1432..1515, 2113..2313, 2116..2193, 2127..2321, 2401..2472, 2403..2453		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o1.ts	Method	TBLASTX:Soybean
Start	2590	End	3935
GI	none	Score	119
Exons	2590..2679, 2635..2679, 2725..2859, 2754..2858, 2985..3095, 2994..3095, 2995..3099, 2995..3099, 3175..3210, 3240..3446, 3241..3444, 3548..3730, 3625..3735, 3862..3933, 3867..3935		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o5.tm	Method	TBLASTX:Maize
Start	3237	End	3414
GI	none	Score	64
Exons	3237..3317, 3240..3356, 3247..3360, 3358..3414		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o2.tm	Method	TBLASTX:Maize
Start	3415	End	5062
GI	none	Score	59

Exons	3415..3447, 3536..3688, 3548..3730, 3625..3747, 3852..4151, 3862..4140, 4506..4583, 4507..4602, 4508..4603, 4708..4878, 4714..4812, 4748..4891, 4850..4888, 4937..5059, 4943..5062, 4954..5061		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o6.ts	Method	TBLASTX:Soybean
Start	3979	End	4779
GI	none	Score	215
Exons	3979..4140, 3981..4151, 4506..4580, 4507..4587, 4508..4591, 4714..4764, 4714..4779		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o4.ts	Method	TBLASTX:Soybean
Start	4781	End	5080
GI	none	Score	177
Exons	4781..4888, 4783..4878, 4943..5080, 4957..5079		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o7.tm	Method	TBLASTX:Maize
Start	5245	End	5653
GI	none	Score	118
Exons	5245..5316, 5254..5316, 5255..5320, 5373..5456, 5376..5456, 5383..5457, 5471..5521, 5636..5653		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o2.gs	Method	GENSCAN
Start	6143	End	12481
GI	none	Score	.57
Exons	6143..6192, 6427..6628, 6728..6887, 6969..7096, 7481..7552, 8021..8097, 8189..8336, 8421..8567, 9578..9674, 9768..9859, 10190..10336, 10447..10581, 10661..10724, 11365..11505, 12369..12481		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o3.tm	Method	TBLASTX:Maize
Start	6416	End	6887
GI	none	Score	216
Exons	6416..6631, 6453..6629, 6454..6630, 6695..6856, 6726..6887, 6726..6881		

Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o5.ts	Method	TBLASTX:Soybean
Start	6524	End	6836
GI	none	Score	106

Exons	6524..6631, 6525..6638, 6722..6823, 6725..6835, 6726..6836		
Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o1.tm	Method	TBLASTX:Maize
Start	6975	End	9638
GI	none	Score	155
Exons	6975..7097, 6976..7098, 6976..7113, 7242..7307, 7481..7552, 7482..7553, 7489..7554, 8003..8107, 8009..8086, 8019..8111, 8169..8336, 8181..8336, 8188..8337, 8410..8541, 8416..8568, 8421..8570, 8424..8570, 8435..8578, 8651..8749, 8656..8751, 8660..8752, 8718..8753, 8987..9064, 9038..9127, 9048..9128, 9256..9303, 9257..9304, 9578..9637, 9579..9638		
Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o2.ts	Method	TBLASTX:Soybean
Start	8196	End	8751
GI	none	Score	99
Exons	8196..8333, 8206..8331, 8397..8570, 8421..8570, 8516..8578, 8654..8746, 8656..8751		
Seq. No.	50415	Seq. ID	OJ990530_35.0421.C53
Gene No.	107020	Strand	-
Start	6143	End	12481
Name	OJ990530_35.0421.C53.o6.tm	Method	TBLASTX:Maize
Start	9638	End	10593
GI	none	Score	53
Exons	9638..9676, 9639..9680, 9768..9860, 9772..9864, 9772..9858, 9803..9859, 10182..10388, 10220..10336, 10444..10593, 10529..10582		
Seq. No.	50416	Seq. ID	OJ990530_35.0421.C54
Gene No.	107021	Strand	-
Start	1	End	1812
Name	OJ990530_35.0421.C54.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	6983857	Score	1400
Exons	1..388, 429..892, 1062..1620, 1683..1812		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	50416	Seq. ID	OJ990530_35.0421.C54
Gene No.	107021	Strand	-
Start	1	End	1812
Name	OJ990530_35.0421.C54.o1.gs	Method	GENSCAN
Start	260	End	452
GI	none	Score	.46
Exons	260..452		
Seq. No.	50416	Seq. ID	OJ990530_35.0421.C54
Gene No.	107021	Strand	-
Start	1	End	1812
Name	OJ990530_35.0421.C54.o2.gs	Method	GENSCAN
Start	914	End	1573
GI	none	Score	.53

Exons	914..1573		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107022	Strand	+
Start	1	End	8411
Name	OJ990530_35.0421.C55.o1.np	Method	AAT/NAP
Start	1	End	680
GI	6069646	Score	109
Exons	1..78, 558..680		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107022	Strand	+
Start	1	End	8411
Name	OJ990530_35.0421.C55.o2.np	Method	AAT/NAP
Start	1	End	5735
GI	4678197	Score	1821
Exons	1..54, 2332..2715, 2743..3683, 3972..5735		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107022	Strand	+
Start	1	End	8411
Name	OJ990530_35.0421.C55.o2.gs	Method	GENSCAN
Start	3900	End	8407
GI	none	Score	.66
Exons	3900..4472, 4524..4614, 7172..7365, 7502..7657, 8033..8407		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107022	Strand	+
Start	1	End	8411
Name	OJ990530_35.0421.C55.o3.np	Method	AAT/NAP
Start	6543	End	8411
GI	5803254	Score	725
Exons	6543..7365, 7502..7657, 8033..8411		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107023	Strand	+
Start	11989	End	12888
Name	OJ990530_35.0421.C55.o1.gp	Method	AAT/GAP
Start	11989	End	12888
GI	431814	Score	761
Exons	11989..12079, 12212..12367, 12718..12888		
GI Descrip.	5803254/dbj|BAA83564.1| 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55

Gene No.	107024	Strand	-
Start	1588	End	3415
Name	OJ990530_35.0421.C55.o1.gs	Method	GENSCAN
Start	1588	End	3415
GI	none	Score	.66
Exons	1588..2045, 3217..3415		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o4.tm	Method	TBLASTX:Maize
Start	2613	End	2957
GI	none	Score	90
Exons	2613..2684, 2633..2677, 2715..2951, 2751..2957, 2833..2952		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o2.tm	Method	TBLASTX:Maize
Start	2967	End	3641
GI	none	Score	68
Exons	2967..3035, 3045..3641, 3069..3266, 3113..3349, 3371..3631		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o2.tw	Method	TBLASTX:Wheat
Start	2976	End	3584
GI	none	Score	284
Exons	2976..3362, 2993..3358, 3377..3454, 3378..3467, 3462..3584		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o3.ts	Method	TBLASTX:Soybean
Start	3141	End	3602
GI	none	Score	288
Exons	3141..3602, 3215..3442		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o2.tc	Method	TBLASTX:Cress
Start	3156	End	3605
GI	none	Score	294
Exons	3156..3605, 3158..3355		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o2.ts	Method	TBLASTX:Soybean
Start	4202	End	4687
GI	5509260	Score	400
Exons	4202..4480, 4203..4682, 4526..4687		
GI Descrip.	-		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55

Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o1.tc	Method	TBLASTX:Cress
Start	4317	End	4586
GI	none	Score	309
Exons	4317..4586, 4331..4567, 4338..4577		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o1.tw	Method	TBLASTX:Wheat
Start	4367	End	4913
GI	none	Score	299
Exons	4367..4480, 4368..4712, 4526..4657, 4704..4913, 4772..4876		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o3.tm	Method	TBLASTX:Maize
Start	4367	End	4799
GI	none	Score	345
Exons	4367..4459, 4368..4799, 4526..4687		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o3.tc	Method	TBLASTX:Cress
Start	4770	End	5009
GI	none	Score	185
Exons	4770..5009		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o3.tw	Method	TBLASTX:Wheat
Start	4923	End	5309
GI	none	Score	105
Exons	4923..5042, 5064..5309, 5090..5194, 5263..5298		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o1.tm	Method	TBLASTX:Maize
Start	5055	End	5717
GI	none	Score	313
Exons	5055..5405, 5153..5404, 5481..5717, 5492..5560		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o1.ts	Method	TBLASTX:Soybean
Start	5073	End	5753
GI	none	Score	389
Exons	5073..5408, 5102..5560, 5257..5547, 5487..5753, 5631..5747		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-

Start	8748	End	16407
Name	OJ990530_35.0421.C55.o5.tm	Method	TBLASTX:Maize
Start	6978	End	12426
GI	none	Score	135
Exons	6978..7199, 6979..7218, 7246..7356, 7291..7350, 7502..7660, 7514..7558, 7600..7659, 11693..11932, 11960..12082, 12203..12385, 12221..12268, 12306..12422, 12310..12426		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o3.gs	Method	GENSCAN
Start	8748	End	16407
GI	none	Score	.59
Exons	8748..8833, 9367..9758, 12884..13064, 13118..13199, 13509..13578, 14991..15078, 15227..15452, 15931..16188, 16195..16407		

Seq. No.	50417	Seq. ID	OJ990530_35.0421.C55
Gene No.	107025	Strand	-
Start	8748	End	16407
Name	OJ990530_35.0421.C55.o2.gp	Method	AAT/GAP
Start	13196	End	13344
GI	uC-osflcyp089a06a1	Score	271
Exons	13196..13344		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107026	Strand	+
Start	10972	End	12331
Name	OJ990530_35.0421.C56.o3.np	Method	AAT/NAP
Start	10922	End	12114
GI	4115337	Score	1869
Exons	10922..12114		
GI Descrip.	(L81141) ubiquitin [Pisum sativum]		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107026	Strand	+
Start	10972	End	12331
Name	OJ990530_35.0421.C56.o1.gp	Method	AAT/GAP
Start	10961	End	12331
GI	294_6.R1084	Score	2391
Exons	10961..12331		
GI Descrip.	'541546/pir||S40611 2.0e-55 ubiquitin precursor - Volvox carteri >gi_395295_emb_CAA52290_ (X74214) polyubiquitin [Volvox carteri]'		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107026	Strand	+
Start	10972	End	12331
Name	OJ990530_35.0421.C56.o3.gs	Method	GENSCAN
Start	10972	End	12117
GI	none	Score	.96
Exons	10972..12117		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107027	Strand	+
Start	13684	End	15522
Name	OJ990530_35.0421.C56.o4.gs	Method	GENSCAN
Start	13684	End	15522
GI	none	Score	.92
Exons	13684..14308, 14468..15522		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107028	Strand	+
Start	17821	End	20041
Name	OJ990530_35.0421.C56.o5.gs	Method	GENSCAN
Start	17821	End	20041
GI	none	Score	.87
Exons	17821..17835, 18172..18339, 18428..18616, 18839..19007, 19629..20041		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107028	Strand	+
Start	17821	End	20041
Name	OJ990530_35.0421.C56.o5.np	Method	AAT/NAP
Start	18115	End	20041
GI	3608150	Score	388
Exons	18115..18339, 18428..18616, 18839..19007, 19629..20041		
GI Descrip.	(AC005314) putative peroxidase [Arabidopsis thaliana]		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107028	Strand	+
Start	17821	End	20041
Name	OJ990530_35.0421.C56.o4.np	Method	AAT/NAP
Start	18569	End	20038
GI	1890319	Score	297
Exons	18569..18616, 18839..19007, 19629..20038		
GI Descrip.	(Y11792) peroxidase ATP27a [Arabidopsis thaliana]		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107029	Strand	+
Start	22942	End	23610
Name	OJ990530_35.0421.C56.o6.np	Method	AAT/NAP
Start	22913	End	23607
GI	4508081	Score	219
Exons	22913..23607		
GI Descrip.	(AC005882) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107029	Strand	+
Start	22942	End	23610
Name	OJ990530_35.0421.C56.o6.gs	Method	GENSCAN
Start	22942	End	23610
GI	none	Score	1
Exons	22942..23610		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107030	Strand	-
Start	1	End	1205
Name	OJ990530_35.0421.C56.o1.np	Method	AAT/NAP

Start	1	End	1205
GI	6907086	Score	1104
Exons	1..383, 443..1205		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107031	Strand	-
Start	1916	End	5216
Name	OJ990530_35.0421.C56.o2.np	Method	AAT/NAP
Start	1916	End	5216
GI	4680186	Score	191
Exons	1916..2326, 2824..2910, 5184..5216		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o2.tw	Method	TBLASTX:Wheat
Start	5097	End	5372
GI	none	Score	332
Exons	5097..5372		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o5.tm	Method	TBLASTX:Maize
Start	5097	End	5372
GI	none	Score	331
Exons	5097..5372		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o2.gs	Method	GENSCAN
Start	5118	End	9572
GI	none	Score	.47
Exons	5118..5870, 7623..7819, 7934..8277, 8630..8918, 9080..9190, 9530..9572		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o3.tc	Method	TBLASTX:Cress
Start	5118	End	5372
GI	none	Score	340
Exons	5118..5372		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o2.ts	Method	TBLASTX:Soybean
Start	5118	End	5372
GI	none	Score	88
Exons	5118..5372, 5125..5217		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-

Start	5118	End	9572
Name	OJ990530_35.0421.C56.o5.tc	Method	TBLASTX:Cress
Start	7563	End	8246
GI	none	Score	73
Exons	7563..7820, 7584..7793, 7711..7821, 8031..8246		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o5.ts	Method	TBLASTX:Soybean
Start	7581	End	8276
GI	none	Score	75
Exons	7581..7670, 7710..7910, 7711..7863, 8025..8111, 8133..8276		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107032	Strand	-
Start	5118	End	9572
Name	OJ990530_35.0421.C56.o3.tm	Method	TBLASTX:Maize
Start	7605	End	8894
GI	none	Score	313
Exons	7605..7661, 7704..7766, 7788..7847, 8027..8203, 8028..8345, 8028..8312, 8627..8806, 8629..8805, 8629..8820, 8803..8871, 8808..8894, 8809..8883, 8835..8894		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107033	Strand	
Start	10933	End	12125
Name	OJ990530_35.0421.C56.o1.tc	Method	TBLASTX:Cress
Start	10933	End	12114
GI	none	Score	1849
Exons	10933..12081, 10950..11396, 10951..12114, 10951..11664, 10951..11439, 10972..12081, 10972..11892, 10972..11883, 11090..11431, 11200..12111, 11217..12107, 11430..12107, 11655..11852, 11658..12110		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107033	Strand	
Start	10933	End	12125
Name	OJ990530_35.0421.C56.o1.tw	Method	TBLASTX:Wheat
Start	10951	End	12125
GI	none	Score	59
Exons	10951..11199, 10952..11026, 10953..11201, 10969..11658, 10971..11396, 10971..11396, 11090..11419, 11090..11416, 11199..11852, 11200..11886, 11323..11880, 11428..12081, 11428..12000, 11430..12104, 11445..11657, 11655..12080, 11658..12110, 11863..12108, 11886..12125, 11901..12080, 12050..12109, 12050..12103, 12050..12109, 12055..12114		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107033	Strand	
Start	10933	End	12125
Name	OJ990530_35.0421.C56.o1.ts	Method	TBLASTX:Soybean
Start	10954	End	12125
GI	none	Score	1839
Exons	10954..11277, 10959..11396, 10963..12081, 10971..11396, 10971..11396, 10971..11198, 10971..11396, 10972..11883, 11090..11416, 11098..11433, 11102..11401, 11189..11431,		

11201..11431, 11202..12125, 11267..11533, 11323..12111,
11326..12000, 11326..11661, 11427..12116, 11442..11852,
11445..11852, 11594..11878, 11644..12108, 11807..11896,
11898..12080, 12068..12118

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107033	Strand	
Start	10933	End	12125
Name	OJ990530_35.0421.C56.o1.tm	Method	TBLASTX:Maize
Start	10959	End	12125
GI	none	Score	1297
Exons	10959..11084, 10971..11390, 10971..11390, 10971..11312, 10972..11766, 11090..11758, 11109..11390, 11110..11994, 11326..11988, 11338..12081, 11349..12125, 11350..12111, 11442..11768, 11565..11846, 11898..11996		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107034	Strand	
Start	12215	End	15524
Name	OJ990530_35.0421.C56.o4.tw	Method	TBLASTX:Wheat
Start	12215	End	15210
GI	none	Score	56
Exons	12215..12271, 13807..14031, 13966..14298, 14085..14297, 14464..14562, 14602..14709, 14805..15209, 14845..15210, 15034..15150		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107034	Strand	
Start	12215	End	15524
Name	OJ990530_35.0421.C56.o6.ts	Method	TBLASTX:Soybean
Start	13819	End	15069
GI	none	Score	67
Exons	13819..13938, 13860..13958, 13864..14241, 13867..13995, 14161..14304, 14839..15009, 14929..15069		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107034	Strand	
Start	12215	End	15524
Name	OJ990530_35.0421.C56.o2.tm	Method	TBLASTX:Maize
Start	13822	End	15477
GI	none	Score	182
Exons	13822..14031, 13828..14019, 13839..14030, 13918..14106, 13975..14310, 14085..14309, 14131..14301, 14476..14718, 14479..14718, 14809..15276, 14814..15383, 14839..15078, 14845..15102, 14845..15477		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107034	Strand	
Start	12215	End	15524
Name	OJ990530_35.0421.C56.o4.tc	Method	TBLASTX:Cress
Start	13879	End	15342
GI	none	Score	136
Exons	13879..14031, 13890..14018, 14182..14313, 14949..15320, 14950..15342		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107034	Strand	

Start	12215	End	15524
Name	OJ990530_35.0421.C56.o3.ts	Method	TBLASTX:Soybean
Start	15070	End	15524
GI	none	Score	301
Exons	15070..15519, 15093..15524		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107035	Strand	
Start	18193	End	20053
Name	OJ990530_35.0421.C56.o2.tc	Method	TBLASTX:Cress
Start	18193	End	20053
GI	none	Score	141
Exons	18193..18345, 18225..18344, 18416..18457, 18473..18619, 18845..18937, 18923..19033, 19600..19815, 19601..20053, 19676..20041		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107035	Strand	
Start	18193	End	20053
Name	OJ990530_35.0421.C56.o3.tw	Method	TBLASTX:Wheat
Start	18201	End	18610
GI	none	Score	135
Exons	18201..18335, 18202..18345, 18416..18610, 18475..18588, 18494..18610		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107035	Strand	
Start	18193	End	20053
Name	OJ990530_35.0421.C56.o4.tm	Method	TBLASTX:Maize
Start	18202	End	18628
GI	none	Score	150
Exons	18202..18345, 18210..18335, 18416..18628, 18427..18588		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107035	Strand	
Start	18193	End	20053
Name	OJ990530_35.0421.C56.o4.ts	Method	TBLASTX:Soybean
Start	18202	End	20038
GI	none	Score	138
Exons	18202..18345, 18312..18344, 18473..18610, 18475..18591, 18476..18610, 18838..18942, 18839..18928, 19601..19747, 19629..19721, 19762..19827, 19769..19909, 19918..20037, 19925..20038		

Seq. No.	50418	Seq. ID	OJ990530_35.0421.C56
Gene No.	107035	Strand	
Start	18193	End	20053
Name	OJ990530_35.0421.C56.o6.tm	Method	TBLASTX:Maize
Start	18844	End	20041
GI	none	Score	113
Exons	18844..18927, 18845..18961, 19594..19716, 19601..19693, 19703..19756, 19706..19756, 19763..19906, 19763..19909, 19930..20034, 19931..20038, 19964..20041		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107036	Strand	-
Start	1	End	3883

Name	OJ990530_35.0421.C57.o3.np	Method	AAT/NAP
Start	1	End	3781
GI	7489454	Score	41
Exons	1..95, 3200..3252, 3625..3781		
GI Descrip.	bacterial blight-resistance protein Xa1 - rice gi|2943742|dbj|BAA25068.1| (AB002266) XA1 [Oryza sativa]		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107036	Strand	-
Start	1	End	3883
Name	OJ990530_35.0421.C57.o1.gs	Method	GENSCAN
Start	1320	End	3883
GI	none	Score	.93
Exons	1320..3427, 3583..3883		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o1.ts	Method	TBLASTX:Soybean
Start	1323	End	1637
GI	none	Score	62
Exons	1323..1637, 1438..1542		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o4.tm	Method	TBLASTX:Maize
Start	1326	End	1625
GI	none	Score	102
Exons	1326..1625, 1330..1605		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o1.tc	Method	TBLASTX:Cress
Start	1347	End	1634
GI	none	Score	72
Exons	1347..1634, 1435..1548		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o1.tw	Method	TBLASTX:Wheat
Start	1407	End	1809
GI	none	Score	277
Exons	1407..1640, 1407..1667, 1670..1801, 1676..1798, 1677..1808, 1695..1808, 1699..1809		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o1.tm	Method	TBLASTX:Maize
Start	1694	End	2384
GI	none	Score	168
Exons	1694..2212, 1698..1832, 1698..2228, 1699..2106, 1869..2219, 2214..2384, 2227..2382		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o2.ts	Method	TBLASTX:Soybean
Start	1698	End	2075
GI	none	Score	221
Exons	1698..2075		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o2.tm	Method	TBLASTX:Maize
Start	2386	End	2670
GI	none	Score	264
Exons	2386..2670, 2390..2668, 2391..2669		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o1.gp	Method	AAT/GAP
Start	5775	End	6897
GI	969005	Score	401
Exons	5775..6082, 6853..6897		

Seq. No.	50419	Seq. ID	OJ990530_35.0421.C57
Gene No.	107037	Strand	-
Start	5775	End	6897
Name	OJ990530_35.0421.C57.o3.tm	Method	TBLASTX:Maize
Start	5785	End	6896
GI	none	Score	175
Exons	5785..5967, 5790..5969, 5799..5972, 5976..6083, 5976..6083, 5977..6084, 5998..6087, 5999..6091, 6849..6896, 6851..6895		

Seq. No.	50420	Seq. ID	OJ990530_35.0421.C58
Gene No.	107038	Strand	-
Start	1338	End	2000
Name	OJ990530_35.0421.C58.o1.np	Method	AAT/NAP
Start	1338	End	2000
GI	4680492	Score	670
Exons	1338..2000		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107039	Strand	+
Start	3274	End	4383
Name	OJ990530_35.0421.C59.o1.gs	Method	GENSCAN
Start	3274	End	4383
GI	none	Score	.53
Exons	3274..3276, 3953..4051, 4195..4383		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107040	Strand	+
Start	12752	End	16858
Name	OJ990530_35.0421.C59.o4.np	Method	AAT/NAP
Start	12664	End	13968
GI	5777617	Score	86
Exons	12664..12683, 13830..13968		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107040	Strand	+
Start	12752	End	16858
Name	OJ990530_35.0421.C59.o3.gs	Method	GENSCAN
Start	12752	End	16845
GI	none	Score	.85
Exons	12752..13017, 13231..13381, 14143..14314, 14377..14592, 14889..14915, 14997..15055, 15310..15493, 16268..16521, 16747..16845		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107040	Strand	+
Start	12752	End	16858
Name	OJ990530_35.0421.C59.o7.np	Method	AAT/NAP
Start	14767	End	16858
GI	7487370	Score	345
Exons	14767..14851, 15417..15546, 16246..16521, 16747..16858		
GI Descrip.	hypothetical protein T23J7.190 - Arabidopsis thaliana gi|4741203|emb|CAB41869.1| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107040	Strand	+
Start	12752	End	16858
Name	OJ990530_35.0421.C59.o6.np	Method	AAT/NAP
Start	15964	End	16858
GI	6983864	Score	75
Exons	15964..16070, 16834..16858		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107041	Strand	-
Start	6343	End	11740
Name	OJ990530_35.0421.C59.o2.gs	Method	GENSCAN
Start	6343	End	11740
GI	none	Score	.52
Exons	6343..6450, 6741..6904, 6955..7329, 7816..11740		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o1.ts	Method	TBLASTX:Soybean
Start	9899	End	10276
GI	none	Score	72
Exons	9899..10276, 9921..10139, 10127..10171, 10227..10256		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o3.tm	Method	TBLASTX:Maize
Start	9989	End	10309
GI	none	Score	102
Exons	9989..10309, 10014..10307		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59

Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o2.tm	Method	TBLASTX:Maize
Start	10427	End	10771
GI	none	Score	75
Exons	10427..10507, 10428..10508, 10499..10579, 10500..10562, 10589..10771, 10626..10769		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o5.np	Method	AAT/NAP
Start	15050	End	16358
GI	5777617	Score	80
Exons	15050..15148, 16300..16358		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o1.tm	Method	TBLASTX:Maize
Start	15759	End	16827
GI	none	Score	112
Exons	15759..15857, 15760..15864, 15761..15865, 16264..16341, 16266..16343, 16349..16528, 16353..16529, 16354..16521, 16726..16827, 16746..16781, 16776..16826		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o2.ts	Method	TBLASTX:Soybean
Start	16375	End	16857
GI	none	Score	226
Exons	16375..16521, 16377..16529, 16398..16529, 16743..16853, 16744..16857, 16746..16856		

Seq. No.	50421	Seq. ID	OJ990530_35.0421.C59
Gene No.	107042	Strand	-
Start	15050	End	16857
Name	OJ990530_35.0421.C59.o1.tc	Method	TBLASTX:Cress
Start	16396	End	16857
GI	none	Score	227
Exons	16396..16521, 16398..16529, 16744..16857, 16746..16853		

Seq. No.	50422	Seq. ID	OJ990530_35.0421.C60
Gene No.	107043	Strand	+
Start	1	End	411
Name	OJ990530_35.0421.C60.o1.np	Method	AAT/NAP
Start	1	End	405
GI	7487370	Score	346
Exons	1..405		
GI Descrip.	hypothetical protein T23J7.190 - Arabidopsis thaliana gi|4741203|emb|CAB41869.1| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	50422	Seq. ID	OJ990530_35.0421.C60
Gene No.	107043	Strand	+

Start	1	End	411
Name	OJ990530_35.0421.C60.o1.tc	Method	TBLASTX:Cress
Start	97	End	411
GI	none	Score	205
Exons	97..273, 127..246, 132..257, 259..411, 261..410, 271..411		

Seq. No.	50422	Seq. ID	OJ990530_35.0421.C60
Gene No.	107043	Strand	+
Start	1	End	411
Name	OJ990530_35.0421.C60.o1.gs	Method	GENSCAN
Start	121	End	408
GI	none	Score	.69
Exons	121..408		

Seq. No.	50422	Seq. ID	OJ990530_35.0421.C60
Gene No.	107043	Strand	+
Start	1	End	411
Name	OJ990530_35.0421.C60.o1.tm	Method	TBLASTX:Maize
Start	126	End	357
GI	none	Score	199
Exons	126..338, 126..356, 127..357, 127..357		

Seq. No.	50422	Seq. ID	OJ990530_35.0421.C60
Gene No.	107043	Strand	+
Start	1	End	411
Name	OJ990530_35.0421.C60.o1.ts	Method	TBLASTX:Soybean
Start	147	End	408
GI	none	Score	379
Exons	147..404, 148..405, 148..408		

Seq. No.	50423	Seq. ID	OJ990530_35.0421.C61
Gene No.	107044	Strand	+
Start	487	End	778
Name	OJ990530_35.0421.C61.o1.gs	Method	GENSCAN
Start	487	End	546
GI	none	Score	.94
Exons	487..546		

Seq. No.	50423	Seq. ID	OJ990530_35.0421.C61
Gene No.	107044	Strand	+
Start	487	End	778
Name	OJ990530_35.0421.C61.o1.np	Method	AAT/NAP
Start	487	End	778
GI	2498930	Score	150
Exons	487..546, 714..778		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	50424	Seq. ID	OJ990530_30.0419.C4
Gene No.	107045	Strand	+
Start	220	End	486
Name	OJ990530_30.0419.C4.o1.gs	Method	GENSCAN
Start	220	End	486
GI	none	Score	.5
Exons	220..486		

Seq. No.	50424	Seq. ID	OJ990530_30.0419.C4

Gene No.	107045	Strand	+
Start	220	End	486
Name	OJ990530_30.0419.C4.o1.gp	Method	AAT/GAP
Start	376	End	486
GI	2443028	Score	201
Exons	376..486		

Seq. No.	50425	Seq. ID	OJ990430_29.0419.C1
Gene No.	107046	Strand	+
Start	1	End	2215
Name	OJ990430_29.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	2215
GI	7485343	Score	538
Exons	1..271, 301..1631, 1686..1868, 2060..2215		
GI Descrip.	hypothetical protein F10M23.350 - Arabidopsis thaliana gi|4455224|emb|CAB36547.1| (AL035440) putative protein [Arabidopsis thaliana] gi|7269554|emb|CAB79556.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107047	Strand	+
Start	4083	End	8145
Name	OJ990430_29.0419.C2.o2.gs	Method	GENSCAN
Start	4083	End	8145
GI	none	Score	.75
Exons	4083..4227, 4290..4505, 4802..4828, 4910..4968, 5223..5406, 6181..6434, 6702..6800, 6920..6997, 7258..7532, 7959..8145		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107047	Strand	+
Start	4083	End	8145
Name	OJ990430_29.0419.C2.o3.np	Method	AAT/NAP
Start	4680	End	7533
GI	7487370	Score	878
Exons	4680..4764, 5330..5459, 6159..6434, 6702..6997, 7258..7533		
GI Descrip.	hypothetical protein T23J7.190 - Arabidopsis thaliana gi|4741203|emb|CAB41869.1| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107048	Strand	+
Start	8511	End	8675
Name	OJ990430_29.0419.C2.o1.gp	Method	AAT/GAP
Start	8511	End	8675
GI	7406_1.R1084	Score	207
Exons	8511..8675		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o5.tm	Method	TBLASTX:Maize
Start	340	End	684
GI	none	Score	68
Exons	340..420, 341..421, 412..492, 413..475, 502..684, 539..682		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o4.tm	Method	TBLASTX:Maize
Start	5672	End	6782
GI	none	Score	112
Exons	5672..5770, 5673..5777, 5674..5778, 6177..6254, 6179..6256, 6262..6441, 6266..6442, 6267..6434, 6681..6782, 6701..6736, 6731..6781		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o2.ts	Method	TBLASTX:Soybean
Start	6288	End	6935
GI	none	Score	217
Exons	6288..6434, 6290..6442, 6311..6442, 6699..6908, 6701..6907, 6899..6934, 6915..6935		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	6309	End	7539
GI	none	Score	218
Exons	6309..6434, 6311..6442, 6311..6442, 6699..6911, 6701..6895, 7225..7401, 7255..7374, 7260..7385, 7387..7539, 7389..7538, 7399..7539		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o3.tm	Method	TBLASTX:Maize
Start	6783	End	6970
GI	none	Score	210
Exons	6783..6908, 6783..6923, 6899..6970, 6915..6968, 6917..6970		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	7254	End	7485
GI	none	Score	199
Exons	7254..7466, 7254..7484, 7255..7485, 7255..7485		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	7275	End	7536
GI	none	Score	379
Exons	7275..7532, 7276..7533, 7276..7536		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o4.np	Method	AAT/NAP

Start	9116	End	10535
GI	7228442	Score	2380
Exons	9116..10535		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o3.gs	Method	GENSCAN
Start	9632	End	10528
GI	none	Score	.6
Exons	9632..10528		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	10130	End	10531
GI	none	Score	90
Exons	10130..10258, 10138..10236, 10292..10531, 10309..10530		

Seq. No.	50426	Seq. ID	OJ990430_29.0419.C2
Gene No.	107049	Strand	+
Start	9632	End	10535
Name	OJ990430_29.0419.C2.o2.gp	Method	AAT/GAP
Start	10173	End	10535
GI	5701669	Score	702
Exons	10173..10535		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	50427	Seq. ID	OJ990430_29.0419.C3
Gene No.	107050	Strand	+
Start	1	End	729
Name	OJ990430_29.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	729
GI	7228442	Score	1262
Exons	1..729		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	50427	Seq. ID	OJ990430_29.0419.C3
Gene No.	107050	Strand	+
Start	1	End	729
Name	OJ990430_29.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	250
GI	none	Score	61
Exons	2..76, 70..189, 74..250, 74..220		

Seq. No.	50428	Seq. ID	OJ990430_29.0419.C7
Gene No.	107051	Strand	-
Start	1	End	497
Name	OJ990430_29.0419.C7.o1.np	Method	AAT/NAP

Start	1	End	497
GI	7485343	Score	224
Exons	1..497		
GI Descrip.	hypothetical protein F10M23.350 - Arabidopsis thaliana gi|4455224|emb|CAB36547.1| (AL035440) putative protein [Arabidopsis thaliana] gi|7269554|emb|CAB79556.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	50428	Seq. ID	OJ990430_29.0419.C7
Gene No.	107051	Strand	-
Start	1	End	497
Name	OJ990430_29.0419.C7.o1.gs	Method	GENSCAN
Start	35	End	491
GI	none	Score	.68
Exons	35..491		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107052	Strand	+
Start	9211	End	9784
Name	OJ990430_29.0419.C8.o1.gp	Method	AAT/GAP
Start	9211	End	9784
GI	uC-osroM202020b06a1	Score	613
Exons	9211..9255, 9402..9784		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107052	Strand	+
Start	9211	End	9784
Name	OJ990430_29.0419.C8.o2.gp	Method	AAT/GAP
Start	9215	End	9784
GI	uC-osroM202020b06a1	Score	615
Exons	9215..9255, 9402..9784		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107053	Strand	+
Start	12432	End	14826
Name	OJ990430_29.0419.C8.o3.gs	Method	GENSCAN
Start	12432	End	14072
GI	none	Score	.78
Exons	12432..14072		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107053	Strand	+
Start	12432	End	14826
Name	OJ990430_29.0419.C8.o3.gp	Method	AAT/GAP
Start	12606	End	13128
GI	none	Score	982
Exons	12606..13128		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107053	Strand	+
Start	12432	End	14826

Name	OJ990430_29.0419.C8.o2.np	Method	AAT/NAP
Start	12969	End	14826
GI	6862923	Score	665
Exons	12969..14062, 14745..14826		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107054	Strand	-
Start	1	End	1959
Name	OJ990430_29.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1718
GI	7485343	Score	867
Exons	1..70, 188..384, 461..1153, 1185..1718		
GI Descrip.	hypothetical protein F10M23.350 - Arabidopsis thaliana gi|4455224|emb|CAB36547.1| (AL035440) putative protein [Arabidopsis thaliana] gi|7269554|emb|CAB79556.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107054	Strand	-
Start	1	End	1959
Name	OJ990430_29.0419.C8.o1.gs	Method	GENSCAN
Start	205	End	1959
GI	none	Score	.56
Exons	205..473, 650..1765, 1893..1959		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	2911	End	14051
GI	none	Score	155
Exons	2911..3078, 2921..3079, 3583..3879, 3615..3779, 3775..3930, 3907..4182, 3972..4181, 10715..11002, 10716..11030, 11187..11354, 11291..11374, 11357..11440, 11358..11480, 11505..11777, 11507..11773, 12990..13046, 13037..13189, 13071..13196, 13232..13285, 13329..13454, 13530..13748, 13553..13747, 13779..14051, 13781..13804, 13868..14050		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o2.tc	Method	TBLASTX:Cress
Start	2911	End	13190
GI	none	Score	143
Exons	2911..3081, 2915..3118, 10727..11014, 10737..11030, 13071..13190		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	2915	End	13190
GI	none	Score	152
Exons	2915..3118, 2923..3120, 10674..11006, 10736..11005, 13010..13189, 13011..13190		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8

Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3583	End	14045
GI	none	Score	215
Exons	3583..3879, 3684..3779, 3907..4203, 3963..4205, 11127..11168, 11187..11354, 11358..11480, 11505..11771, 11507..11779, 13353..13454, 13449..13748, 13521..13748, 13541..13750, 13779..14045, 13781..14041, 13800..14042		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	3814	End	14045
GI	none	Score	87
Exons	3814..3879, 3907..4176, 3966..4145, 11384..11449, 11388..11480, 11501..11785, 11502..11774, 13674..13748, 13679..13744, 13775..14011, 13776..14045, 13848..14042		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	3814	End	14045
GI	none	Score	83
Exons	3814..3882, 3916..4080, 4093..4176, 11388..11465, 11511..11666, 11519..11659, 11684..11770, 11685..11771, 13674..13748, 13785..13946, 13959..14045		

Seq. No.	50429	Seq. ID	OJ990430_29.0419.C8
Gene No.	107055	Strand	-
Start	13780	End	14308
Name	OJ990430_29.0419.C8.o4.gp	Method	AAT/GAP
Start	13780	End	14308
GI	uC-osflcyp115h04a1	Score	1054
Exons	13780..14308		
GI Descrip.	'4680338/gb|AAD27629.1|AF128457_3 2.0e-22 (AF128457) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107056	Strand	+
Start	132	End	2613
Name	OJ990430_29.0419.C9.o1.np	Method	AAT/NAP
Start	132	End	2565
GI	4680501	Score	386
Exons	132..153, 1567..2565		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107056	Strand	+
Start	132	End	2613
Name	OJ990430_29.0419.C9.o1.gs	Method	GENSCAN
Start	1492	End	2613
GI	none	Score	.89
Exons	1492..2613		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	1531	End	2541
GI	none	Score	135
Exons	1531..1674, 1560..1673, 2008..2265, 2013..2279, 2299..2541		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o2.ts	Method	TBLASTX:Soybean
Start	2008	End	2511
GI	none	Score	209
Exons	2008..2265, 2052..2279, 2299..2511		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o2.tc	Method	TBLASTX:Cress
Start	2188	End	2511
GI	none	Score	67
Exons	2188..2265, 2299..2511, 2373..2498		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o1.gp	Method	AAT/GAP
Start	3340	End	3591
GI	4879754	Score	436
Exons	3340..3591		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o2.np	Method	AAT/NAP
Start	3388	End	5581
GI	4835793	Score	524
Exons	3388..3545, 3633..3735, 4256..4713, 5558..5581		
GI Descrip.	(AC007296) Similar to gb|U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF|00076 RNA recognition motif domains. ESTs gb|T44278, gb|R65195, gb|N65904, gb|H37499, gb|R90487, gb|N95952, gb|T4427...		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	3648	End	4692
GI	none	Score	121
Exons	3648..3734, 3649..3735, 4305..4385, 4425..4691, 4426..4692, 4427..4690, 4515..4661		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o1.ts	Method	TBLASTX:Soybean

Start	3648	End	4697
GI	none	Score	120
Exons	3648..3734, 3649..3735, 4304..4384, 4305..4385, 4422..4697, 4430..4687, 4503..4646		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	3648	End	4700
GI	none	Score	120
Exons	3648..3701, 3649..3735, 3661..3738, 4238..4306, 4250..4303, 4255..4305, 4299..4337, 4302..4394, 4304..4390, 4388..4426, 4423..4698, 4424..4699, 4424..4699, 4425..4700, 4527..4646		

Seq. No.	50430	Seq. ID	OJ990430_29.0419.C9
Gene No.	107057	Strand	+
Start	3340	End	5581
Name	OJ990430_29.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	4443	End	4643
GI	none	Score	208
Exons	4443..4643, 4451..4639		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	349	End	841
GI	none	Score	68
Exons	349..411, 490..606, 491..622, 494..622, 721..822, 725..841, 725..829		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	356	End	1088
GI	none	Score	65
Exons	356..406, 357..407, 358..411, 358..411, 490..621, 491..622, 702..809, 712..825, 719..829, 724..822, 728..829, 912..1001, 915..1001, 996..1088, 1002..1070, 1015..1071		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o1.gp	Method	AAT/GAP
Start	358	End	792
GI	30207_1.R1084	Score	395
Exons	358..408, 491..621, 727..792		
GI Descrip.	'4835793/gb|AAD30259.1|AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+

Start	358	End	6603
Name	OJ990430_29.0419.C10.o1.gs	Method	GENSCAN
Start	359	End	6530
GI	none	Score	.66
Exons	359..408, 491..621, 727..1108, 2285..2435, 3338..3459, 3556..3665, 3819..3844, 3975..4162, 5369..5470, 5641..5691, 6172..6262, 6376..6530		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o1.np	Method	AAT/NAP
Start	363	End	1144
GI	7485342	Score	325
Exons	363..408, 491..621, 727..844, 951..1144		
GI Descrip.	hypothetical protein F10M23.340 - Arabidopsis thaliana gi|4455223|emb|CAB36546.1| (AL035440) putative DNA binding protein [Arabidopsis thaliana] gi|7269553|emb|CAB79555.1| (AL161566) putative DNA binding protein [Arabidopsis thaliana]		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	364	End	843
GI	none	Score	53
Exons	364..411, 490..621, 491..622, 724..822, 725..829, 814..843		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o2.gp	Method	AAT/GAP
Start	1348	End	1543
GI	4714370	Score	365
Exons	1348..1543		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o2.np	Method	AAT/NAP
Start	2141	End	4752
GI	7485341	Score	115
Exons	2141..2496, 3338..3459, 4706..4752		
GI Descrip.	hypothetical protein F10M23.330 - Arabidopsis thaliana gi|4455222|emb|CAB36545.1| (AL035440) hypothetical protein [Arabidopsis thaliana] gi|7269552|emb|CAB79554.1| (AL161566) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	50431	Seq. ID	OJ990430_29.0419.C10
Gene No.	107058	Strand	+
Start	358	End	6603
Name	OJ990430_29.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	6153	End	6603
GI	none	Score	84
Exons	6153..6263, 6156..6266, 6160..6264, 6362..6580, 6365..6559, 6373..6603		

Seq. No.	50432	Seq. ID	OJ990430_29.0419.C13
Gene No.	107059	Strand	+
Start	444	End	732
Name	OJ990430_29.0419.C13.o1.gs	Method	GENSCAN
Start	444	End	732
GI	none	Score	.87
Exons	444..732		

Seq. No.	50432	Seq. ID	OJ990430_29.0419.C13
Gene No.	107060	Strand	-
Start	1	End	744
Name	OJ990430_29.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	744
GI	6006359	Score	57
Exons	1..31, 583..744		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	50433	Seq. ID	OJ990430_29.0419.C14
Gene No.	107061	Strand	+
Start	1	End	1114
Name	OJ990430_29.0419.C14.o2.np	Method	AAT/NAP
Start	1	End	1114
GI	5441880	Score	629
Exons	1..63, 409..482, 519..542, 633..764, 880..1114		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	50433	Seq. ID	OJ990430_29.0419.C14
Gene No.	107061	Strand	+
Start	1	End	1114
Name	OJ990430_29.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	452
GI	7228442	Score	430
Exons	1..452		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	50433	Seq. ID	OJ990430_29.0419.C14
Gene No.	107061	Strand	+
Start	1	End	1114
Name	OJ990430_29.0419.C14.o1.gs	Method	GENSCAN
Start	65	End	1082
GI	none	Score	.5
Exons	65..142, 165..439, 505..542, 633..764, 828..875, 880..1082		

Seq. No.	50434	Seq. ID	OJ990430_29.0419.C15
Gene No.	107062	Strand	+
Start	1	End	69
Name	OJ990430_29.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	69
GI	7228442	Score	101
Exons	1..69		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	50434	Seq. ID	OJ990430_29.0419.C15
Gene No.	107063	Strand	+
Start	1	End	323
Name	OJ990430_29.0419.C15.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	LIB3431-045-P1-N1-A10	Score	638
Exons	1..323		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	50434	Seq. ID	OJ990430_29.0419.C15
Gene No.	107064	Strand	+
Start	1165	End	1589
Name	OJ990430_29.0419.C15.o3.gp	Method	AAT/GAP
Start	1165	End	1589
GI	3768383	Score	400
Exons	1165..1376, 1562..1589		

Seq. No.	50434	Seq. ID	OJ990430_29.0419.C15
Gene No.	107065	Strand	-
Start	1	End	686
Name	OJ990430_29.0419.C15.o2.np	Method	AAT/NAP
Start	1	End	686
GI	6721543	Score	102
Exons	1..46, 558..686		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	50434	Seq. ID	OJ990430_29.0419.C15
Gene No.	107065	Strand	-
Start	1	End	686
Name	OJ990430_29.0419.C15.o2.gp	Method	AAT/GAP
Start	266	End	672
GI	7406_1.R1084	Score	661
Exons	266..672		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o1.gp	Method	AAT/GAP
Start	2167	End	2335
GI	3768383	Score	277
Exons	2167..2335		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o1.np	Method	AAT/NAP
Start	2249	End	8128
GI	7487825	Score	53
Exons	2249..2380, 7973..8128		
GI Descrip.	hypothetical protein T8O5.110 - Arabidopsis thaliana gi|2894568|emb|CAA17157.1| (AL021890) putative protein [Arabidopsis thaliana] gi|7269035|emb|CAB79145.1| (AL161556) putative protein [Arabidopsis thaliana]		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o2.gs	Method	GENSCAN
Start	2257	End	2880
GI	none	Score	.97
Exons	2257..2880		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o3.gs	Method	GENSCAN
Start	4634	End	6633
GI	none	Score	.87
Exons	4634..4729, 4734..5177, 6336..6523, 6603..6633		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o2.gp	Method	AAT/GAP
Start	4935	End	7653
GI	none	Score	820
Exons	4935..5177, 7475..7653		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o4.gs	Method	GENSCAN
Start	7579	End	8580
GI	none	Score	.92
Exons	7579..8580		

Seq. No.	50435	Seq. ID	OJ990430_29.0419.C16
Gene No.	107066	Strand	+
Start	2257	End	8580
Name	OJ990430_29.0419.C16.o3.gp	Method	AAT/GAP
Start	7982	End	8545
GI	9093_1.R1084	Score	1079
Exons	7982..8545		
GI Descrip.	'4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	50436	Seq. ID	OJ990430_29.0419.C17
Gene No.	107067	Strand	+
Start	363	End	932
Name	OJ990430_29.0419.C17.o1.gp	Method	AAT/GAP
Start	363	End	932
GI	none	Score	733
Exons	363..491, 588..932		

Seq. No.	50437	Seq. ID	OJ990430_29.0419.C18
Gene No.	107068	Strand	-
Start	485	End	2432
Name	OJ990430_29.0419.C18.o1.gs	Method	GENSCAN

Start	485	End	2432
GI	none	Score	.52
Exons	485..621, 1101..1140, 2227..2432		

Seq. No.	50438	Seq. ID	OJ990430_29.0419.C19
Gene No.	107069	Strand	+
Start	2164	End	4806
Name	OJ990430_29.0419.C19.o1.gs	Method	GENSCAN
Start	2164	End	4806
GI	none	Score	.46
Exons	2164..2269, 2694..2753, 2919..2940, 3052..3124, 3203..3319, 3937..4078, 4468..4540, 4746..4806		

Seq. No.	50438	Seq. ID	OJ990430_29.0419.C19
Gene No.	107070	Strand	-
Start	1	End	2686
Name	OJ990430_29.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	2686
GI	7485249	Score	237
Exons	1..55, 611..813, 1152..1353, 2663..2686		
GI Descrip.	hypothetical protein A_IG002P16.22 - Arabidopsis thaliana gi|2191173|gb|AAB61059.1| (AF007270) contains similarity to DNA polymerase III, alpha chain (SP:P47277) [Arabidopsis thaliana]		

Seq. No.	50438	Seq. ID	OJ990430_29.0419.C19
Gene No.	107070	Strand	-
Start	1	End	2686
Name	OJ990430_29.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	585	End	1355
GI	none	Score	104
Exons	585..839, 586..816, 1151..1189, 1199..1354, 1218..1355		

Seq. No.	50438	Seq. ID	OJ990430_29.0419.C19
Gene No.	107070	Strand	-
Start	1	End	2686
Name	OJ990430_29.0419.C19.o1.gp	Method	AAT/GAP
Start	604	End	1267
GI	60242_1.R1084	Score	556
Exons	604..813, 1152..1267		
GI Descrip.	'2191173 6.0e-34 (AF007270) contains similarity to DNA polymerase III, alpha chain (SP:P47277) [Arabidopsis thaliana]'		

Seq. No.	50438	Seq. ID	OJ990430_29.0419.C19
Gene No.	107070	Strand	-
Start	1	End	2686
Name	OJ990430_29.0419.C19.o2.gp	Method	AAT/GAP
Start	1302	End	2289
GI	71733_1.R1084	Score	747
Exons	1302..1573, 2175..2289		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	50439	Seq. ID	OJ990430_29.0419.C20
Gene No.	107071	Strand	+
Start	2507	End	4892
Name	OJ990430_29.0419.C20.o1.np	Method	AAT/NAP
Start	2507	End	4892
GI	228403	Score	814

Exons	2507..2643, 3615..3739, 3830..3876, 3977..4054, 4147..4271, 4389..4455, 4540..4602, 4730..4892		
GI Descrip.	glycolate oxidase [Lens culinaris]		
Seq. No.	50439	Seq. ID	OJ990430_29.0419.C20
Gene No.	107071	Strand	+
Start	2507	End	4892
Name	OJ990430_29.0419.C20.o1.gp	Method	AAT/GAP
Start	3703	End	4618
GI	LIB3433-023-P1-K1-H7	Score	653
Exons	3703..3739, 3830..3876, 3977..4054, 4147..4271, 4389..4455, 4540..4618		
GI Descrip.	'228403/prf||1803516A 2.0e-59 glycolate oxidase [Lens culinaris]'		
Seq. No.	50439	Seq. ID	OJ990430_29.0419.C20
Gene No.	107072	Strand	-
Start	889	End	4816
Name	OJ990430_29.0419.C20.o1.gs	Method	GENSCAN
Start	889	End	4785
GI	none	Score	.63
Exons	889..929, 1915..2207, 2915..2989, 3592..3818, 4132..4308, 4400..4483, 4756..4785		
Seq. No.	50439	Seq. ID	OJ990430_29.0419.C20
Gene No.	107072	Strand	-
Start	889	End	4816
Name	OJ990430_29.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	2504	End	4804
GI	none	Score	227
Exons	2504..2644, 2515..2643, 3615..3740, 3616..3741, 3831..3881, 3973..4059, 3975..4055, 3976..4056, 3977..4060, 4143..4274, 4147..4272, 4148..4276, 4386..4454, 4386..4454, 4387..4455, 4537..4599, 4537..4599, 4538..4603, 4727..4804, 4727..4801, 4729..4803		
Seq. No.	50439	Seq. ID	OJ990430_29.0419.C20
Gene No.	107072	Strand	-
Start	889	End	4816
Name	OJ990430_29.0419.C20.o1.tc	Method	TBLASTX:Cress
Start	2513	End	4816
GI	none	Score	200
Exons	2513..2644, 2513..2632, 2515..2643, 3615..3734, 3616..3741, 3618..3740, 3976..4062, 3977..4060, 4143..4274, 4147..4272, 4368..4451, 4387..4455, 4387..4461, 4537..4599, 4537..4584, 4544..4603, 4727..4816, 4729..4803		
Seq. No.	50439	Seq. ID	OJ990430_29.0419.C20
Gene No.	107072	Strand	-
Start	889	End	4816
Name	OJ990430_29.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	2513	End	4816
GI	none	Score	205
Exons	2513..2644, 2515..2643, 2564..2644, 3615..3728, 3615..3740, 3616..3741, 3801..3875, 3976..4062, 3977..4060, 4146..4274, 4147..4272, 4149..4280, 4386..4454, 4387..4455, 4387..4461, 4388..4462, 4537..4599, 4727..4816, 4729..4803		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107073	Strand	+
Start	1	End	8886
Name	OJ990430_29.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	531
GI	7431421	Score	317
Exons	1..239, 335..531		
GI Descrip.	(S)-2-hydroxy-acid oxidase (EC 1.1.3.15) - tomato (fragment) gi|1063400|emb|CAA63482.1| (X92888) glycolate oxidase [Lycopersicon esculentum]		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107073	Strand	+
Start	1	End	8886
Name	OJ990430_29.0419.C21.o1.gs	Method	GENSCAN
Start	102	End	8886
GI	none	Score	.53
Exons	102..233, 335..475, 1197..1316, 1475..1581, 1764..1913, 2248..2427, 3424..3490, 3578..3640, 4197..4313, 4403..4519, 5561..5671, 5961..6054, 6148..6257, 7524..7550, 7867..8054, 8670..8886		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107073	Strand	+
Start	1	End	8886
Name	OJ990430_29.0419.C21.o2.np	Method	AAT/NAP
Start	2291	End	4590
GI	7431423	Score	1067
Exons	2291..2427, 2637..2761, 2849..2895, 2976..3053, 3139..3263, 3424..3490, 3578..3640, 3786..3855, 3943..4043, 4209..4313, 4403..4590		
GI Descrip.	probable (S)-2-hydroxy-acid oxidase (EC 1.1.3.15), peroxisomal - Arabidopsis thaliana (fragment) gi|2832641|emb|CAA16716.1| (AL021710) glycolate oxidase - like protein [Arabidopsis thaliana] gi|7268629|emb|CAB78838.1| (AL161548) glycolate oxidase-like protein [Arabidopsis thaliana]		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107073	Strand	+
Start	1	End	8886
Name	OJ990430_29.0419.C21.o2.gp	Method	AAT/GAP
Start	5605	End	8392
GI	327_1.R1084	Score	1488
Exons	5605..5671, 5961..6054, 6148..6257, 7867..8392		
GI Descrip.	'6094345/sp|O04433|SR14_ORYSA 4.0e-47 SIGNAL RECOGNITION PARTICLE 14 KD PROTEIN (SRP14) >gi_2208962_emb_CAA71204_ (Y10118) signal recognition particle subunit 14 [Oryza sativa]'		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107073	Strand	+
Start	1	End	8886
Name	OJ990430_29.0419.C21.o3.np	Method	AAT/NAP
Start	5958	End	8055
GI	6094345	Score	599
Exons	5958..6054, 6148..6257, 7867..8055		
GI Descrip.	SIGNAL RECOGNITION PARTICLE 14 KD PROTEIN (SRP14)		

gi|2208962|emb|CAA71204| (Y10118) signal recognition particle subunit 14 [Oryza sativa]

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107074	Strand	+
Start	9301	End	11389
Name	OJ990430_29.0419.C21.o5.np	Method	AAT/NAP
Start	9298	End	11389
GI	1346121	Score	1182
Exons	9298..9861, 10926..11044, 11152..11389		
GI Descrip.	AMINOMETHYLTRANSFERASE PRECURSOR (GLYCINE CLEAVAGE SYSTEM T PROTEIN) gi|542104|pir||S40217 T protein - Flaveria pringlei gi|1362139|pir||S56660 aminomethyltransferase (EC 2.1.2.10) precursor - Flaveria pringlei gi|438005|emb|CAA81077.1| (Z25858) T protein [Flaveria pringlei]		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107074	Strand	+
Start	9301	End	11389
Name	OJ990430_29.0419.C21.o2.gs	Method	GENSCAN
Start	9301	End	11242
GI	none	Score	.89
Exons	9301..9861, 10926..11044, 11152..11242		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107074	Strand	+
Start	9301	End	11389
Name	OJ990430_29.0419.C21.o3.gp	Method	AAT/GAP
Start	11217	End	11389
GI	12492_1.R1084	Score	310
Exons	11217..11389		
GI Descrip.	'1707878/sp|P54260|GCST_SOLTU 2.0e-76 AMINOMETHYLTRANSFERASE PRECURSOR (GLYCINE CLEAVAGE SYSTEM T PROTEIN) >gi_2129976_pir__S59948 aminomethyltransferase (EC 2.1.2.10) precursor - potato >gi_438254_emb_CAA81081_ (Z25862) T-protein [Solanum tuberosum]'		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o2.ts	Method	TBLASTX:Soybean
Start	132	End	4582
GI	none	Score	161
Exons	132..242, 134..238, 334..492, 335..484, 2297..2428, 2297..2428, 2298..2429, 2304..2429, 2632..2763, 2670..2762, 2850..2888, 2975..3055, 2976..3056, 3136..3261, 3139..3264, 3141..3272, 3141..3266, 3413..3490, 3569..3640, 3783..3857, 3938..4045, 3945..4046, 4206..4316, 4208..4312, 4402..4560, 4403..4582, 4403..4561		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o3.tc	Method	TBLASTX:Cress
Start	132	End	4289
GI	none	Score	118
Exons	132..215, 134..211, 2297..2428, 2297..2410, 2299..2427,		

2632..2763, 2638..2757, 2670..2762, 2856..2894, 2975..3055,
2976..3056, 2976..3056, 2977..3057, 3132..3266, 3139..3264,
3141..3266, 3413..3490, 3569..3649, 3783..3857, 3783..3854,
3938..4045, 3942..4046, 4206..4289, 4208..4285

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o3.tm	Method	TBLASTX:Maize
Start	132	End	4575
GI	none	Score	178
Exons	132..242, 134..238, 162..242, 335..484, 335..454, 3422..3490, 3423..3482, 3566..3649, 3568..3651, 3569..3640, 3783..3857, 3783..3857, 3785..3859, 3938..4045, 3945..4046, 4095..4130, 4206..4316, 4208..4312, 4403..4573, 4403..4570, 4498..4575		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o5.tc	Method	TBLASTX:Cress
Start	216	End	4588
GI	none	Score	40
Exons	216..242, 334..507, 335..484, 4290..4316, 4402..4587, 4403..4588		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o2.tc	Method	TBLASTX:Cress
Start	724	End	9780
GI	none	Score	59
Exons	724..789, 9424..9780, 9429..9779		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o2.tm	Method	TBLASTX:Maize
Start	2285	End	3266
GI	none	Score	205
Exons	2285..2428, 2285..2428, 2629..2745, 2632..2763, 2636..2746, 2664..2762, 2847..2894, 2975..3058, 2976..3056, 2979..3065, 2980..3066, 3133..3264, 3139..3261, 3144..3266		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o1.gp	Method	AAT/GAP
Start	4446	End	4883
GI	51286_1.R1084	Score	806
Exons	4446..4883		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-69 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o4.tc	Method	TBLASTX:Cress
Start	5891	End	7938

GI	none	Score	130
Exons	5891..6049, 5907..6053, 6147..6260, 6191..6259, 7867..7938		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o4.tm	Method	TBLASTX:Maize
Start	5959	End	8241
GI	none	Score	150
Exons	5959..6054, 5961..6053, 5962..6066, 6147..6275, 6156..6257, 6164..6259, 7866..7931, 7867..7938, 7870..7938, 8027..8077, 8036..8077, 8137..8169, 8170..8241, 8177..8221		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o3.ts	Method	TBLASTX:Soybean
Start	5960	End	7938
GI	none	Score	67
Exons	5960..6043, 5960..6052, 5961..6053, 6147..6260, 6149..6259, 7876..7938		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	9299	End	11389
GI	none	Score	710
Exons	9299..9325, 9424..9861, 9429..9860, 9751..9861, 10916..10933, 10923..11060, 10923..11048, 11152..11388, 11152..11388, 11153..11389		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	9424	End	11389
GI	none	Score	674
Exons	9424..9861, 9429..9860, 10923..11060, 10923..11051, 11153..11389, 11155..11388		

Seq. No.	50440	Seq. ID	OJ990430_29.0419.C21
Gene No.	107075	Strand	-
Start	4446	End	11389
Name	OJ990430_29.0419.C21.o1.tc	Method	TBLASTX:Cress
Start	10926	End	11389
GI	none	Score	172
Exons	10926..11060, 10926..11048, 11009..11071, 11153..11389, 11153..11356, 11155..11388		

Seq. No.	50441	Seq. ID	OJ990430_29.0419.C22
Gene No.	107076	Strand	+
Start	427	End	564
Name	OJ990430_29.0419.C22.o1.gs	Method	GENSCAN
Start	427	End	564
GI	none	Score	.59
Exons	427..503, 519..564		

Seq. No.	50441	Seq. ID	OJ990430_29.0419.C22
Gene No.	107077	Strand	+
Start	519	End	630
Name	OJ990430_29.0419.C22.o1.np	Method	AAT/NAP
Start	519	End	630
GI	5852084	Score	84
Exons	519..630		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	50441	Seq. ID	OJ990430_29.0419.C22
Gene No.	107078	Strand	-
Start	1007	End	4413
Name	OJ990430_29.0419.C22.o2.gs	Method	GENSCAN
Start	1007	End	4413
GI	none	Score	.55
Exons	1007..1149, 3878..4055, 4333..4413		

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107079	Strand	+
Start	6530	End	11010
Name	OJ990430_29.0419.C23.o2.gs	Method	GENSCAN
Start	6530	End	11010
GI	none	Score	.57
Exons	6530..6743, 7076..7152, 7256..7376, 8895..9059, 9333..9631, 10798..11010		

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107080	Strand	-
Start	6882	End	9616
Name	OJ990430_29.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	6767	End	9547
GI	none	Score	59
Exons	6767..6787, 6788..6844, 6953..7015, 6968..7015, 6969..7061, 7016..7129, 7021..7137, 7022..7138, 7024..7140, 7035..7148, 7263..7406, 7263..7400, 7283..7402, 7973..8026, 7974..8033, 8105..8173, 8113..8172, 9464..9547		

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107080	Strand	-
Start	6882	End	9616
Name	OJ990430_29.0419.C23.o1.gp	Method	AAT/GAP
Start	6882	End	9616
GI	22176_1.R1084	Score	1363
Exons	6882..7136, 7282..7400, 7974..8026, 8116..8171, 9238..9285, 9392..9616		
GI Descrip.	'4581162/gb|AAD24645.1|AC006220_1 5.0e-53 (AC006220) putative symbiosis-related protein [Arabidopsis thaliana]'		

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107080	Strand	-
Start	6882	End	9616
Name	OJ990430_29.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	7001	End	8173
GI	none	Score	89
Exons	7001..7129, 7045..7137, 7050..7130, 7263..7406, 7263..7373, 7283..7402, 7286..7420, 7973..8026, 7974..8033, 8105..8173,		

8113..8172

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107080	Strand	-
Start	6882	End	9616
Name	OJ990430_29.0419.C23.o1.np	Method	AAT/NAP
Start	7042	End	9274
GI	4581162	Score	403
Exons	7042..7136, 7282..7400, 7974..8026, 8116..8171, 9238..9274		
GI Descrip.	(AC006220) putative microtubule-associated protein [Arabidopsis thaliana]		

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107080	Strand	-
Start	6882	End	9616
Name	OJ990430_29.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	7059	End	9273
GI	none	Score	135
Exons	7059..7178, 7060..7137, 7283..7402, 7284..7406, 7973..8026, 7974..8033, 8105..8173, 8109..8171, 8113..8172, 9232..9273		

Seq. No.	50442	Seq. ID	OJ990430_29.0419.C23
Gene No.	107080	Strand	-
Start	6882	End	9616
Name	OJ990430_29.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	7072	End	8163
GI	none	Score	96
Exons	7072..7137, 7262..7408, 7263..7418, 7283..7402, 7972..8025, 7973..8026, 8105..8149, 8113..8163		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107081	Strand	+
Start	1	End	5330
Name	OJ990430_29.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	1360
GI	2293360	Score	232
Exons	1..295, 995..1360		
GI Descrip.	(D87670) polyphenol oxidase [Malus domestica]		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107081	Strand	+
Start	1	End	5330
Name	OJ990430_29.0419.C24.o2.np	Method	AAT/NAP
Start	1	End	2594
GI	7209776	Score	214
Exons	1..295, 995..1360, 2558..2594		
GI Descrip.	(AB038994) polyphenol oxidase I [Ipomoea batatas]		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107081	Strand	+
Start	1	End	5330
Name	OJ990430_29.0419.C24.o1.gs	Method	GENSCAN
Start	110	End	5330
GI	none	Score	.61
Exons	110..294, 544..628, 995..1136, 1176..1336, 1375..1476, 2105..2227, 5214..5330		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107082	Strand	+
Start	6161	End	12108
Name	OJ990430_29.0419.C24.o2.gs	Method	GENSCAN
Start	6161	End	12108
GI	none	Score	.66
Exons	6161..6789, 7481..7723, 8893..10039, 10258..10888, 10963..11150, 11226..11415, 11483..11587, 11660..12108		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107082	Strand	+
Start	6161	End	12108
Name	OJ990430_29.0419.C24.o1.gp	Method	AAT/GAP
Start	7768	End	8075
GI	5816559	Score	498
Exons	7768..8075		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107082	Strand	+
Start	6161	End	12108
Name	OJ990430_29.0419.C24.o3.np	Method	AAT/NAP
Start	9155	End	12105
GI	6691716	Score	2361
Exons	9155..10025, 10223..10415, 10497..10788, 10956..11150, 11226..11337, 11483..11587, 11660..12105		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107083	Strand	+
Start	18643	End	18950
Name	OJ990430_29.0419.C24.o2.gp	Method	AAT/GAP
Start	18643	End	18950
GI	5816559	Score	502
Exons	18643..18950		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107084	Strand	+
Start	19206	End	20030
Name	OJ990430_29.0419.C24.o4.gs	Method	GENSCAN
Start	19206	End	20030
GI	none	Score	.66
Exons	19206..19359, 19469..19827, 19866..20030		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107085	Strand	+
Start	27547	End	29849
Name	OJ990430_29.0419.C24.o6.gs	Method	GENSCAN
Start	27547	End	29849
GI	none	Score	.9

Exons	27547..28151, 28633..28898, 29017..29849		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107085	Strand	+
Start	27547	End	29849
Name	OJ990430_29.0419.C24.o5.np	Method	AAT/NAP
Start	27790	End	29846
GI	4158170	Score	1103
Exons	27790..28151, 28633..28894, 29004..29846		
GI Descrip.	(AJ006097) catechol oxidase [Ipomoea batatas]		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107085	Strand	+
Start	27547	End	29849
Name	OJ990430_29.0419.C24.o6.np	Method	AAT/NAP
Start	29637	End	29849
GI	5823368	Score	101
Exons	29637..29849		
GI Descrip.	(AF176652) polyphenol oxidase [Vitis vinifera]		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107086	Strand	-
Start	12425	End	18515
Name	OJ990430_29.0419.C24.o3.gs	Method	GENSCAN
Start	12425	End	18515
GI	none	Score	.59
Exons	12425..12807, 12852..15165, 15231..15504, 15601..16003, 16084..17721, 17813..18515		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107086	Strand	-
Start	12425	End	18515
Name	OJ990430_29.0419.C24.o4.np	Method	AAT/NAP
Start	12461	End	18515
GI	5922631	Score	6578
Exons	12461..14987, 15593..16515, 16642..16792, 16835..17400, 17446..17655, 17894..18132, 18391..18515		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107087	Strand	-
Start	20972	End	26589
Name	OJ990430_29.0419.C24.o5.gs	Method	GENSCAN
Start	20972	End	26589
GI	none	Score	.4
Exons	20972..21081, 22317..22414, 23576..23662, 26079..26242, 26321..26494, 26506..26589		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107088	Strand	-
Start	30534	End	37721

Name	OJ990430_29.0419.C24.o7.gs	Method	GENSCAN
Start	30534	End	37721
GI	none	Score	.78
Exons	30534..30666, 30746..30869, 30957..31068, 31162..31293, 31400..31582, 31822..31950, 32089..32205, 32613..32715, 33099..33208, 33808..33983, 34553..34823, 34995..35209, 35512..36983, 37135..37198, 37619..37721		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107088	Strand	-
Start	30534	End	37721
Name	OJ990430_29.0419.C24.o7.np	Method	AAT/NAP
Start	30537	End	36315
GI	7489826	Score	3459
Exons	30537..30666, 30746..30869, 30957..31068, 31162..31293, 31400..31582, 31822..31950, 32089..32259, 32613..32715, 33099..33208, 33629..33736, 33808..33983, 34553..34823, 34995..35209, 35512..36315		
GI Descrip.	starch synthase DULL1 - maize gi|3057120|gb|AAC14014.1| (AF023159) starch synthase DULL1 [Zea mays]		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107088	Strand	-
Start	30534	End	37721
Name	OJ990430_29.0419.C24.o8.np	Method	AAT/NAP
Start	31738	End	36304
GI	7489826	Score	2575
Exons	31738..31950, 32089..32259, 32613..32715, 33099..33208, 33629..33736, 33808..33983, 34553..34823, 34995..35209, 35512..36304		
GI Descrip.	starch synthase DULL1 - maize gi|3057120|gb|AAC14014.1| (AF023159) starch synthase DULL1 [Zea mays]		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107088	Strand	-
Start	30534	End	37721
Name	OJ990430_29.0419.C24.o3.gp	Method	AAT/GAP
Start	35018	End	35863
GI	3762097	Score	1036
Exons	35018..35209, 35512..35863		
GI Descrip.	3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107088	Strand	-
Start	30534	End	37721
Name	OJ990430_29.0419.C24.o4.gp	Method	AAT/GAP
Start	36058	End	36292
GI	LIB3431-061-P1-K1-G12	Score	428
Exons	36058..36292		
GI Descrip.	'3057120 2.0e-22 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107088	Strand	-
Start	30534	End	37721
Name	OJ990430_29.0419.C24.o5.gp	Method	AAT/GAP
Start	36802	End	37180
GI	1631927	Score	542

Exons	36802..37044, 37135..37180		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o3.tm	Method	TBLASTX:Maize
Start	52	End	29309
GI	none	Score	74
Exons	52..105, 53..106, 100..150, 114..149, 152..226, 153..227, 154..228, 154..267, 167..250, 235..294, 236..295, 19160..19462, 19190..19456, 19212..19463, 19462..19518, 28976..29248, 29001..29246, 29247..29309		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o2.ts	Method	TBLASTX:Soybean
Start	53	End	29834
GI	none	Score	49
Exons	53..106, 103..150, 111..149, 150..227, 152..226, 236..295, 1202..1282, 1326..1361, 6656..6793, 6661..6780, 7479..7601, 7484..7597, 7611..7688, 19203..19445, 19203..19370, 19241..19399, 19474..19599, 19606..19632, 19654..19764, 19771..19830, 19857..20015, 28018..28155, 28023..28142, 28631..28837, 28684..28785, 28935..28949, 28992..29246, 28992..29153, 29030..29188, 29265..29408, 29472..29525, 29562..29600, 29718..29834		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o12.tm	Method	TBLASTX:Maize
Start	469	End	939
GI	none	Score	77
Exons	469..690, 756..935, 847..939		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o11.tm	Method	TBLASTX:Maize
Start	5214	End	29858
GI	none	Score	111
Exons	5214..5303, 5217..5315, 19881..19976, 19886..19987, 19887..20015, 29652..29858, 29705..29827		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o10.tm	Method	TBLASTX:Maize
Start	7485	End	28843
GI	none	Score	131
Exons	7485..7601, 7486..7632, 7487..7585, 7611..7688, 28637..28843, 28687..28776		
Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953

Name	OJ990430_29.0419.C24.o10.tw	Method	TBLASTX:Wheat
Start	9275	End	9565
GI	none	Score	219
Exons	9275..9565		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o5.tw	Method	TBLASTX:Wheat
Start	12437	End	13050
GI	none	Score	35
Exons	12437..12574, 12560..12718, 12811..13050, 12812..12889,	12773..12829, 12789..12827, 12941..13030	

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o9.tm	Method	TBLASTX:Maize
Start	12476	End	12709
GI	none	Score	101
Exons	12476..12577, 12477..12578,	12557..12709	

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o16.tm	Method	TBLASTX:Maize
Start	12820	End	13093
GI	none	Score	56
Exons	12820..12906, 12916..12999, 12994..13092	12929..13003, 12986..13093,	

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o3.tw	Method	TBLASTX:Wheat
Start	13165	End	13552
GI	none	Score	112
Exons	13165..13356, 13165..13551,	13241..13552	

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o2.tm	Method	TBLASTX:Maize
Start	13195	End	13558
GI	none	Score	67
Exons	13195..13242, 13196..13243, 13247..13558	13214..13537, 13234..13557,	

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o11.tw	Method	TBLASTX:Wheat
Start	13555	End	13854
GI	none	Score	130
Exons	13555..13695, 13720..13854		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24

Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o14.tm	Method	TBLASTX:Maize
Start	13786	End	14040
GI	none	Score	193
Exons	13786..14040		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o4.tw	Method	TBLASTX:Wheat
Start	13870	End	14292
GI	none	Score	273
Exons	13870..14292, 13880..14284		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o5.ts	Method	TBLASTX:Soybean
Start	13913	End	14301
GI	none	Score	155
Exons	13913..14293, 13915..14301		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o8.tw	Method	TBLASTX:Wheat
Start	14296	End	14578
GI	none	Score	70
Exons	14296..14577, 14308..14442, 14501..14578		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o4.tm	Method	TBLASTX:Maize
Start	14416	End	14860
GI	none	Score	89
Exons	14416..14442, 14440..14583, 14453..14584, 14599..14835, 14605..14859, 14606..14860		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o4.ts	Method	TBLASTX:Soybean
Start	14527	End	14928
GI	none	Score	43
Exons	14527..14928, 14561..14731, 14768..14911		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	14582	End	15006
GI	none	Score	288
Exons	14582..14962, 14587..15006		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24

Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o9.tw	Method	TBLASTX:Wheat
Start	15007	End	15201
GI	none	Score	141
Exons	15007..15201, 15008..15196		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o5.tm	Method	TBLASTX:Maize
Start	15091	End	15446
GI	none	Score	73
Exons	15091..15204, 15101..15205, 15213..15446, 15214..15405		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o2.tw	Method	TBLASTX:Wheat
Start	15251	End	15611
GI	none	Score	256
Exons	15251..15604, 15252..15611, 15253..15597		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o6.tw	Method	TBLASTX:Wheat
Start	15796	End	16252
GI	none	Score	148
Exons	15796..16032, 15798..16028, 16094..16189, 16094..16252		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o7.tw	Method	TBLASTX:Wheat
Start	16829	End	17231
GI	none	Score	114
Exons	16829..17230, 16962..17231		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	22831	End	33203
GI	none	Score	72
Exons	22831..22878, 22835..22876, 30527..30658, 30528..30659, 30534..30668, 30535..30669, 30739..30870, 30745..30870, 30747..30890, 30759..30923, 30955..31068, 30956..31063, 31159..31293, 31163..31294, 31212..31301, 31388..31591, 31398..31583, 31519..31584, 31806..31943, 31814..31951, 31814..31942, 31816..31950, 32080..32259, 32087..32260, 32087..32269, 32608..32715, 32612..32713, 32613..32714, 33098..33202, 33099..33203		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953

Name	OJ990430_29.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	22831	End	32165
GI	none	Score	72
Exons	22831..22878, 22835..22876, 30534..30668, 30535..30669, 30747..30890, 30759..30923, 31159..31293, 31163..31294, 31388..31591, 31398..31583, 31814..31951, 31814..31942, 32087..32164, 32087..32164,	30527..30658, 30739..30870, 30955..31068, 31163..31294, 31519..31584, 31816..31950, 32088..32165	30528..30659, 30745..30870, 30956..31063, 31212..31301, 31806..31943, 32080..32163,

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o2.tc	Method	TBLASTX:Cress
Start	22831	End	30828
GI	none	Score	101
Exons	22831..22878, 30531..30665, 30748..30828, 30752..30805	30541..30669,	30543..30665,

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	30953	End	31459
GI	none	Score	115
Exons	30953..31069, 30955..31068, 31388..31459, 31398..31457	31159..31293,	31163..31294,

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o13.tm	Method	TBLASTX:Maize
Start	33633	End	33986
GI	none	Score	74
Exons	33633..33737, 33634..33741, 33869..33967, 33870..33986,	33636..33737, 33873..33977,	33647..33745, 33805..33873, 33808..33867, 33874..33984

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o3.ts	Method	TBLASTX:Soybean
Start	33644	End	33965
GI	none	Score	117
Exons	33644..33745, 33645..33764, 33846..33965	33805..33963,	33806..33958,

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o6.tm	Method	TBLASTX:Maize
Start	34551	End	35701
GI	none	Score	282
Exons	34551..34775, 34552..34767, 35582..35701	34994..35200,	35034..35192,

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o7.tm	Method	TBLASTX:Maize
Start	35844	End	36097
GI	none	Score	233
Exons	35844..36086, 35884..36090, 35903..36097, 35904..36086, 35905..36090		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o8.tm	Method	TBLASTX:Maize
Start	36098	End	36295
GI	none	Score	179
Exons	36098..36295, 36102..36251, 36104..36295		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o15.tm	Method	TBLASTX:Maize
Start	36634	End	36963
GI	none	Score	35
Exons	36634..36654, 36661..36705, 36670..36780, 36677..36853, 36804..36878, 36809..36958, 36811..36963, 36821..36958, 36892..36963		

Seq. No.	50443	Seq. ID	OJ990430_29.0419.C24
Gene No.	107089	Strand	-
Start	37743	End	37953
Name	OJ990430_29.0419.C24.o6.gp	Method	AAT/GAP
Start	37743	End	37953
GI	LIB3479-005-Q6-K1-D11	Score	386
Exons	37743..37953		
GI Descrip.	'4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	50444	Seq. ID	OJ990430_29.0419.C26
Gene No.	107090	Strand	+
Start	375	End	791
Name	OJ990430_29.0419.C26.o1.gs	Method	GENSCAN
Start	375	End	791
GI	none	Score	.75
Exons	375..489, 769..791		

Seq. No.	50444	Seq. ID	OJ990430_29.0419.C26
Gene No.	107091	Strand	+
Start	2372	End	2890
Name	OJ990430_29.0419.C26.o1.gp	Method	AAT/GAP
Start	2372	End	2890
GI	uC-osf1cyp083g04a1	Score	1006
Exons	2372..2890		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	50444	Seq. ID	OJ990430_29.0419.C26

Gene No.	107092	Strand	-
Start	1193	End	1606
Name	OJ990430_29.0419.C26.o2.gs	Method	GENSCAN
Start	1193	End	1606
GI	none	Score	1
Exons	1193..1606		

Seq. No.	50444	Seq. ID	OJ990430_29.0419.C26
Gene No.	107093	Strand	-
Start	2631	End	3071
Name	OJ990430_29.0419.C26.o3.gs	Method	GENSCAN
Start	2631	End	3071
GI	none	Score	1
Exons	2631..3071		

Seq. No.	50445	Seq. ID	OJ990430_29.0419.C27
Gene No.	107094	Strand	-
Start	1	End	1221
Name	OJ990430_29.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	1221
GI	7363292	Score	132
Exons	1..27, 139..227, 317..426, 1183..1221		
GI Descrip.	(AP001552) ESTs D15336(C0474),C98053(C0474) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 9; hypothetical protein. (Z97344) [Oryza sativa]		

Seq. No.	50445	Seq. ID	OJ990430_29.0419.C27
Gene No.	107094	Strand	-
Start	1	End	1221
Name	OJ990430_29.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	138	End	446
GI	none	Score	133
Exons	138..215, 139..216, 319..438, 328..438, 329..442, 330..446		

Seq. No.	50445	Seq. ID	OJ990430_29.0419.C27
Gene No.	107094	Strand	-
Start	1	End	1221
Name	OJ990430_29.0419.C27.o1.gs	Method	GENSCAN
Start	139	End	434
GI	none	Score	.59
Exons	139..214, 328..434		

Seq. No.	50446	Seq. ID	OJ990430_29.0419.C28
Gene No.	107095	Strand	+
Start	1518	End	1861
Name	OJ990430_29.0419.C28.o1.gp	Method	AAT/GAP
Start	1518	End	1861
GI	none	Score	680
Exons	1518..1861		

Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	3026
GI	6006900	Score	372

Exons	1..234, 623..1266, 2912..3026		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	1	End	278
GI	none	Score	261
Exons	1..276, 2..277, 3..278		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o2.tm	Method	TBLASTX:Maize
Start	2	End	559
GI	none	Score	235
Exons	2..277, 3..200, 288..530, 290..559, 291..554, 293..559		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.gs	Method	GENSCAN
Start	71	End	1616
GI	none	Score	.52
Exons	71..1411, 1491..1616		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.gp	Method	AAT/GAP
Start	165	End	589
GI	LIB3432-019-P1-K1-E9	Score	814
Exons	165..589		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	560	End	1619
GI	none	Score	174
Exons	560..709, 561..710, 698..1414, 702..800, 710..802, 712..888, 857..955, 934..1320, 990..1370, 1013..1414, 1477..1617, 1485..1619, 1489..1617		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o2.tc	Method	TBLASTX:Cress
Start	698	End	898
GI	none	Score	76
Exons	698..877, 702..803, 703..822, 724..897, 860..898		
Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29

Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	715	End	1036
GI	none	Score	85
Exons	715..834, 722..1036		

Seq. No.	50447	Seq. ID	OJ990430_29.0419.C29
Gene No.	107096	Strand	-
Start	1	End	3026
Name	OJ990430_29.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	908	End	1228
GI	none	Score	45
Exons	908..1228, 914..955, 1055..1225		

Seq. No.	50448	Seq. ID	OJ990430_29.0419.C31
Gene No.	107097	Strand	+
Start	505	End	10901
Name	OJ990430_29.0419.C31.o1.gs	Method	GENSCAN
Start	505	End	8095
GI	none	Score	.75
Exons	505..651, 1673..1750, 3343..4303, 5222..5912, 6016..6166, 6625..6699, 7549..7669, 7911..8095		

Seq. No.	50448	Seq. ID	OJ990430_29.0419.C31
Gene No.	107097	Strand	+
Start	505	End	10901
Name	OJ990430_29.0419.C31.o1.np	Method	AAT/NAP
Start	611	End	10901
GI	73648	Score	70
Exons	611..713, 3327..3421, 3663..4288, 10730..10901		
GI Descrip.	immediate-early protein IE180 - suid herpesvirus 1 (strain Indiana-Funkhauser)		

Seq. No.	50449	Seq. ID	OJ990430_29.0419.C32
Gene No.	107098	Strand	+
Start	10	End	1477
Name	OJ990430_29.0419.C32.o1.np	Method	AAT/NAP
Start	10	End	1477
GI	3914374	Score	854
Exons	10..110, 271..462, 550..699, 804..902, 1019..1111, 1206..1477		
GI Descrip.	1-ACYL-SN-GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE (1-AGP ACYLTRANSFERASE) (1-AGPAT) (LYSOPHOSPHATIDIC ACID ACYLTRANSFERASE) (LPAAT) gi|1098605|gb|AAC49119.1| (U29657) lysophosphatidic acid acyltransferase [Cocos nucifera] gi|1586836|prf||2204401A 1-acyl-sn-glycerol-3-phosphate acyltransferase [Cocos nucifera]		

Seq. No.	50449	Seq. ID	OJ990430_29.0419.C32
Gene No.	107098	Strand	+
Start	10	End	1477
Name	OJ990430_29.0419.C32.o1.gs	Method	GENSCAN
Start	145	End	1472
GI	none	Score	.99
Exons	145..462, 550..699, 804..902, 1019..1111, 1206..1472		

Seq. No.	50450	Seq. ID	OJ990430_29.0419.C33

Gene No.	107099	Strand	
Start	482	End	1085
Name	OJ990430_29.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	482	End	1085
GI	none	Score	161
Exons	482..703, 504..701, 794..934, 1006..1074	803..946, 1004..1066, 1005..1085,	

Seq. No.	50451	Seq. ID	OJ990430_29.0419.C34
Gene No.	107100	Strand	-
Start	173	End	1711
Name	OJ990430_29.0419.C34.o1.gp	Method	AAT/GAP
Start	173	End	1661
GI	uC-osflM202016g08b1	Score	891
Exons	173..220, 249..600, 1551..1661		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	50451	Seq. ID	OJ990430_29.0419.C34
Gene No.	107100	Strand	-
Start	173	End	1711
Name	OJ990430_29.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	248	End	1710
GI	none	Score	400
Exons	248..601, 248..601, 249..602, 250..609, 250..609, 1578..1709, 1578..1709, 1579..1710, 1600..1710		

Seq. No.	50451	Seq. ID	OJ990430_29.0419.C34
Gene No.	107100	Strand	-
Start	173	End	1711
Name	OJ990430_29.0419.C34.o1.tw	Method	TBLASTX:Wheat
Start	248	End	489
GI	none	Score	281
Exons	248..487, 248..487, 249..488, 250..489, 250..489		

Seq. No.	50451	Seq. ID	OJ990430_29.0419.C34
Gene No.	107100	Strand	-
Start	173	End	1711
Name	OJ990430_29.0419.C34.o1.gs	Method	GENSCAN
Start	250	End	600
GI	none	Score	.66
Exons	250..600		

Seq. No.	50451	Seq. ID	OJ990430_29.0419.C34
Gene No.	107100	Strand	-
Start	173	End	1711
Name	OJ990430_29.0419.C34.o1.np	Method	AAT/NAP
Start	264	End	1711
GI	7485343	Score	138
Exons	264..602, 1565..1711		
GI Descrip.	hypothetical protein F10M23.350 - Arabidopsis thaliana gi|4455224|emb|CAB36547.1| (AL035440) putative protein [Arabidopsis thaliana] gi|7269554|emb|CAB79556.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	50452	Seq. ID	OJ990430_29.0419.C35
Gene No.	107101	Strand	-
Start	1	End	643

Name	OJ990430_29.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	643
GI	2498930	Score	757
Exons	1..416, 584..643		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	50453	Seq. ID	OJ990430_23.0419.C5
Gene No.	107102	Strand	+
Start	1	End	748
Name	OJ990430_23.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	748
GI	2125972	Score	749
Exons	1..748		
GI Descrip.	nupC protein - Escherichia coli gi|443793|emb|CAA52821.1| (X74825) NupC [Escherichia coli]		

Seq. No.	50454	Seq. ID	OJ990430_23.0419.C7
Gene No.	107103	Strand	+
Start	1	End	798
Name	OJ990430_23.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	798
GI	2498930	Score	88
Exons	1..24, 520..579, 747..798		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	50454	Seq. ID	OJ990430_23.0419.C7
Gene No.	107103	Strand	+
Start	1	End	798
Name	OJ990430_23.0419.C7.o1.gs	Method	GENSCAN
Start	276	End	579
GI	none	Score	.57
Exons	276..415, 520..579		

Seq. No.	50455	Seq. ID	OJ990430_10.0421.C7
Gene No.	107104	Strand	-
Start	240	End	671
Name	OJ990430_10.0421.C7.o1.gs	Method	GENSCAN
Start	240	End	671
GI	none	Score	.59
Exons	240..671		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107105	Strand	+
Start	1	End	2159
Name	OJ990630_13.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	2075
GI	4378066	Score	952
Exons	1..58, 147..825, 1198..2075		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107105	Strand	+
Start	1	End	2159

Name	OJ990630_13.0421.C5.o1.gs	Method	GENSCAN
Start	325	End	710
GI	none	Score	.6
Exons	325..710		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107105	Strand	+
Start	1	End	2159
Name	OJ990630_13.0421.C5.o2.gs	Method	GENSCAN
Start	1369	End	2159
GI	none	Score	.92
Exons	1369..1484, 1768..1991, 2062..2159		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107106	Strand	+
Start	12796	End	14363
Name	OJ990630_13.0421.C5.o3.np	Method	AAT/NAP
Start	12796	End	14363
GI	4417306	Score	152
Exons	12796..12819, 13949..14363		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o6.ts	Method	TBLASTX:Soybean
Start	318	End	8242
GI	none	Score	86
Exons	318..536, 7906..8241, 7964..8242		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o4.tw	Method	TBLASTX:Wheat
Start	348	End	8256
GI	none	Score	78
Exons	348..479, 486..677, 546..686, 8125..8256		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	677	End	960
GI	none	Score	170
Exons	677..874, 678..920, 877..951, 889..960		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	677	End	1039
GI	none	Score	176
Exons	677..874, 678..908, 877..1023, 889..1032, 890..1030, 941..1039		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-

Start	3035	End	8632
Name	OJ990630_13.0421.C5.o7.ts	Method	TBLASTX:Soybean
Start	1339	End	7470
GI	none	Score	82
Exons	1339..1485, 1610..1690, 7101..7235, 7294..7470		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o2.tm	Method	TBLASTX:Maize
Start	1467	End	7260
GI	none	Score	192
Exons	1467..1613, 1488..1610, 1493..1621, 1505..1612, 1595..1768, 7047..7256, 7075..7260		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o2.tw	Method	TBLASTX:Wheat
Start	1539	End	7307
GI	none	Score	77
Exons	1539..1613, 5615..5677, 5637..5681, 5745..5783, 5755..5781, 7048..7287, 7054..7230, 7065..7292, 7068..7307		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o1.tw	Method	TBLASTX:Wheat
Start	1640	End	5744
GI	none	Score	414
Exons	1640..2026, 1642..1809, 1843..2025, 5433..5588, 5682..5744		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	1769	End	5738
GI	none	Score	226
Exons	1769..2026, 1777..1878, 1853..1996, 5277..5738, 5278..5589, 5486..5737		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o2.ts	Method	TBLASTX:Soybean
Start	1949	End	5591
GI	none	Score	95
Exons	1949..2026, 1951..2076, 5122..5271, 5124..5309, 5295..5591, 5296..5556		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o5.ts	Method	TBLASTX:Soybean
Start	2902	End	3139
GI	none	Score	42
Exons	2902..3123, 2921..2947, 3023..3139		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o3.gs	Method	GENSCAN
Start	3035	End	8632
GI	none	Score	.55
Exons	3035..3676, 3926..4054, 4321..4628, 5384..5819, 6180..6241, 6688..6808, 7134..7267, 8025..8178, 8387..8632		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o4.ts	Method	TBLASTX:Soybean
Start	3446	End	3841
GI	none	Score	79
Exons	3446..3841, 3546..3740		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o3.tm	Method	TBLASTX:Maize
Start	3695	End	4021
GI	none	Score	191
Exons	3695..4021		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o2.np	Method	AAT/NAP
Start	3997	End	8401
GI	7248394	Score	3079
Exons	3997..4378, 4814..5778, 7072..7168, 7440..7719, 7759..8401		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o3.tw	Method	TBLASTX:Wheat
Start	4426	End	4788
GI	none	Score	188
Exons	4426..4788		

Seq. No.	50456	Seq. ID	OJ990630_13.0421.C5
Gene No.	107107	Strand	-
Start	3035	End	8632
Name	OJ990630_13.0421.C5.o3.ts	Method	TBLASTX:Soybean
Start	4561	End	4973
GI	none	Score	64
Exons	4561..4791, 4565..4660, 4718..4801, 4839..4910, 4866..4919, 4890..4973, 4916..4972		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6

Gene No.	107108	Strand	+
Start	1	End	9686
Name	OJ990630_13.0421.C6.o1.np	Method	AAT/NAP
Start	1	End	3983
GI	6691191	Score	2712
Exons	1..2469, 3474..3983		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107108	Strand	+
Start	1	End	9686
Name	OJ990630_13.0421.C6.o1.gs	Method	GENSCAN
Start	8	End	309
GI	none	Score	.83
Exons	8..46, 118..309		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107108	Strand	+
Start	1	End	9686
Name	OJ990630_13.0421.C6.o3.gs	Method	GENSCAN
Start	3824	End	8929
GI	none	Score	.53
Exons	3824..3885, 4048..4120, 4175..4197, 4378..4606, 4840..5089, 5405..5498, 7129..7233, 7811..8110, 8785..8929		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107108	Strand	+
Start	1	End	9686
Name	OJ990630_13.0421.C6.o2.np	Method	AAT/NAP
Start	7837	End	9243
GI	5852181	Score	88
Exons	7837..7971, 9222..9243		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107108	Strand	+
Start	1	End	9686
Name	OJ990630_13.0421.C6.o3.np	Method	AAT/NAP
Start	8128	End	9686
GI	103076	Score	139
Exons	8128..8195, 9202..9375, 9614..9686		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107109	Strand	+
Start	12240	End	12927
Name	OJ990630_13.0421.C6.o4.np	Method	AAT/NAP
Start	12240	End	12927
GI	7340905	Score	136
Exons	12240..12340, 12811..12927		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o1.ts	Method	TBLASTX:Soybean

Start	235	End	660
GI	none	Score	404
Exons	235..660, 261..434, 331..615, 533..655		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o2.tw	Method	TBLASTX:Wheat
Start	235	End	639
GI	none	Score	394
Exons	235..639, 238..609		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	496	End	885
GI	none	Score	213
Exons	496..885		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o1.tw	Method	TBLASTX:Wheat
Start	736	End	1167
GI	none	Score	507
Exons	736..1167, 738..1064, 757..1143		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	925	End	1449
GI	none	Score	258
Exons	925..1314, 1046..1084, 1113..1313, 1306..1449		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o4.ts	Method	TBLASTX:Soybean
Start	1027	End	1362
GI	none	Score	65
Exons	1027..1092, 1093..1362, 1110..1361		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o3.tw	Method	TBLASTX:Wheat
Start	1167	End	1473
GI	none	Score	362
Exons	1167..1358, 1171..1473, 1172..1441, 1419..1463		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o4.tw	Method	TBLASTX:Wheat
Start	1486	End	1956

GI	none	Score	178
Exons	1486..1686, 1488..1670, 1678..1746, 1753..1956		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o5.ts	Method	TBLASTX:Soybean
Start	1495	End	1670
GI	none	Score	188
Exons	1495..1632, 1495..1608, 1506..1613, 1638..1670		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	1669	End	2052
GI	none	Score	51
Exons	1669..1746, 1750..2052, 1839..1991		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	2073	End	2427
GI	none	Score	81
Exons	2073..2114, 2074..2115, 2112..2282, 2113..2427, 2328..2426		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o5.tw	Method	TBLASTX:Wheat
Start	2074	End	3533
GI	none	Score	313
Exons	2074..2472, 2077..2283, 2079..2285, 2334..2432, 3468..3533		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	3467	End	3890
GI	none	Score	259
Exons	3467..3790, 3468..3707, 3694..3777, 3801..3890		

Seq. No.	50457	Seq. ID	OJ990630_13.0421.C6
Gene No.	107110	Strand	-
Start	10257	End	13245
Name	OJ990630_13.0421.C6.o4.gs	Method	GENSCAN
Start	10257	End	13245
GI	none	Score	.88
Exons	10257..10456, 11448..11570, 13046..13114, 13176..13245		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107111	Strand	+
Start	1	End	5468
Name	OJ990630_13.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	3504
GI	6056428	Score	91

Exons	1..30, 1043..1208, 3473..3504		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107111	Strand	+
Start	1	End	5468
Name	OJ990630_13.0421.C7.o2.gs	Method	GENSCAN
Start	1993	End	4165
GI	none	Score	.81
Exons	1993..2177, 2402..2464, 2546..2662, 2954..3131, 3692..3843, 4009..4165		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107111	Strand	+
Start	1	End	5468
Name	OJ990630_13.0421.C7.o2.np	Method	AAT/NAP
Start	1993	End	4193
GI	6630741	Score	489
Exons	1993..2177, 2402..2464, 2546..2662, 2954..3153, 3401..3495, 3692..3843, 4009..4193		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107111	Strand	+
Start	1	End	5468
Name	OJ990630_13.0421.C7.o3.np	Method	AAT/NAP
Start	2032	End	5468
GI	5777632	Score	298
Exons	2032..2177, 2546..2662, 2954..3191, 3337..3495, 3692..3843, 4009..4099, 5423..5468		
GI Descrip.	(AJ245900) CAA303720.1 protein [Oryza sativa]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107112	Strand	+
Start	11359	End	11654
Name	OJ990630_13.0421.C7:o1.gp	Method	AAT/GAP
Start	11359	End	11654
GI	none	Score	572
Exons	11359..11654		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107113	Strand	+
Start	16721	End	22291
Name	OJ990630_13.0421.C7.o8.np	Method	AAT/NAP
Start	16358	End	20378
GI	5902445	Score	1539
Exons	16358..18122, 20328..20378		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107113	Strand	+
Start	16721	End	22291
Name	OJ990630_13.0421.C7.o4.gs	Method	GENSCAN
Start	16721	End	22291
GI	none	Score	.46
Exons	16721..16826, 17120..17367, 17653..17877, 17917..18136,		

20271..20387, 20583..20723, 22080..22291

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107114	Strand	+
Start	23843	End	33944
Name	OJ990630_13.0421.C7.o9.np	Method	AAT/NAP
Start	23843	End	33944
GI	6742729	Score	2621
Exons	23843..24131, 31383..31637, 32297..33250, 33488..33944		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107114	Strand	+
Start	23843	End	33944
Name	OJ990630_13.0421.C7.o6.gs	Method	GENSCAN
Start	25612	End	28414
GI	none	Score	.68
Exons	25612..25804, 25844..26221, 26396..27271, 27936..28414		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107114	Strand	+
Start	23843	End	33944
Name	OJ990630_13.0421.C7.o7.gs	Method	GENSCAN
Start	28759	End	32953
GI	none	Score	.53
Exons	28759..28820, 29399..29608, 29890..29963, 30052..30230, 31383..31621, 32341..32551, 32594..32953		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107115	Strand	-
Start	980	End	1353
Name	OJ990630_13.0421.C7.o1.gs	Method	GENSCAN
Start	980	End	1353
GI	none	Score	.97
Exons	980..1180, 1315..1353		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107116	Strand	-
Start	3518	End	7831
Name	OJ990630_13.0421.C7.o4.np	Method	AAT/NAP
Start	3518	End	7831
GI	7267363	Score	225
Exons	3518..3557, 5528..5876, 5903..5977, 7776..7831		
GI Descrip.	(AL161506) putative athila transposon protein [Arabidopsis thaliana]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107117	Strand	-
Start	9826	End	14118
Name	OJ990630_13.0421.C7.o6.np	Method	AAT/NAP
Start	9826	End	12775
GI	6498436	Score	652
Exons	9826..9944, 10209..10538, 12742..12775		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107117	Strand	-

Start	9826	End	14118
Name	OJ990630_13.0421.C7.o7.np	Method	AAT/NAP
Start	11672	End	14118
GI	6056194	Score	533
Exons	11672..12814, 14049..14118		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107117	Strand	-
Start	9826	End	14118
Name	OJ990630_13.0421.C7.o2.gp	Method	AAT/GAP
Start	11985	End	12470
GI	uC-osroM202036g05b1	Score	923
Exons	11985..12470		
GI Descrip.	'2618699 2.0e-15 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107118	Strand	-
Start	18757	End	18905
Name	OJ990630_13.0421.C7.o3.gp	Method	AAT/GAP
Start	18757	End	18905
GI	uC-osflcyp001c04b2	Score	226
Exons	18757..18905		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o4.ts	Method	TBLASTX:Soybean
Start	1999	End	3844
GI	none	Score	167
Exons	1999..2178, 2043..2177, 2505..2663, 2532..2663, 2546..2686, 2925..3053, 2930..3052, 3123..3203, 3123..3203, 3330..3488, 3340..3495, 3691..3843, 3692..3844		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o4.tm	Method	TBLASTX:Maize
Start	2951	End	3747
GI	none	Score	157
Exons	2951..3061, 2952..3086, 3105..3203, 3117..3197, 3335..3454, 3339..3488, 3340..3495, 3346..3495, 3691..3747, 3692..3745		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o10.tw	Method	TBLASTX:Wheat
Start	5533	End	5787
GI	none	Score	197
Exons	5533..5787		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-

Start	33886	End	35721
Name	OJ990630_13.0421.C7.o5.ts	Method	TBLASTX:Soybean
Start	5533	End	16708
GI	none	Score	70
Exons	5533..5787, 5594..5695, 16574..16708		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o3.tc	Method	TBLASTX:Cress
Start	11702	End	12079
GI	none	Score	113
Exons	11702..11935, 11936..12079		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o12.tw	Method	TBLASTX:Wheat
Start	11718	End	11863
GI	none	Score	64
Exons	11718..11783, 11720..11863, 11729..11863		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o1.tm	Method	TBLASTX:Maize
Start	11732	End	13755
GI	none	Score	81
Exons	11732..12145, 11733..11789, 11735..12142, 11892..12149, 12147..12605, 12149..12496, 12206..12607, 12250..12540, 12408..12608, 12618..12716, 12629..12817, 12645..12818, 13603..13755, 13608..13754		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o6.tw	Method	TBLASTX:Wheat
Start	11864	End	12132
GI	none	Score	182
Exons	11864..12127, 11864..12127, 11889..12128, 11895..12131, 11896..12132		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o2.ts	Method	TBLASTX:Soybean
Start	11936	End	12607
GI	none	Score	228
Exons	11936..12145, 12251..12607		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o1.tc	Method	TBLASTX:Cress
Start	12251	End	12790
GI	none	Score	74
Exons	12251..12595, 12486..12572, 12647..12703, 12692..12790		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o2.tw	Method	TBLASTX:Wheat
Start	16373	End	16759
GI	none	Score	395
Exons	16373..16759, 16399..16758		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o2.tm	Method	TBLASTX:Maize
Start	16483	End	16789
GI	none	Score	360
Exons	16483..16761, 16484..16789		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o5.tw	Method	TBLASTX:Wheat
Start	16874	End	17270
GI	none	Score	119
Exons	16874..17014, 16987..17007, 17011..17127, 17017..17121, 17125..17268, 17130..17270		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o6.tm	Method	TBLASTX:Maize
Start	17010	End	17418
GI	none	Score	97
Exons	17010..17108, 17011..17127, 17124..17225, 17125..17247, 17266..17355, 17275..17346, 17347..17394, 17392..17418		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o11.tw	Method	TBLASTX:Wheat
Start	17334	End	17541
GI	none	Score	190
Exons	17334..17537, 17335..17541		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o3.ts	Method	TBLASTX:Soybean
Start	17539	End	17913
GI	none	Score	79
Exons	17539..17637, 17674..17913		

Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o7.tw	Method	TBLASTX:Wheat
Start	17542	End	17955
GI	none	Score	96

Exons	17542..17643, 17547..17636, 17686..17955, 17691..17762, 17805..17915		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o9.tw	Method	TBLASTX:Wheat
Start	19983	End	20239
GI	none	Score	73
Exons	19983..20054, 20014..20052, 20047..20238, 20054..20239		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o3.tw	Method	TBLASTX:Wheat
Start	23444	End	24067
GI	none	Score	188
Exons	23444..23740, 23605..23736, 23726..23785, 23803..23880, 23822..23947, 23930..23992, 23939..24067		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o1.ts	Method	TBLASTX:Soybean
Start	23654	End	24082
GI	none	Score	95
Exons	23654..23728, 23729..23791, 23819..24082, 23840..24064		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o2.tc	Method	TBLASTX:Cress
Start	23822	End	24124
GI	none	Score	245
Exons	23822..24124		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o5.tm	Method	TBLASTX:Maize
Start	23924	End	24127
GI	none	Score	245
Exons	23924..24127, 23959..24126		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o8.tw	Method	TBLASTX:Wheat
Start	24068	End	31637
GI	none	Score	64
Exons	24068..24109, 31362..31460, 31373..31462, 31373..31459, 31461..31499, 31472..31621, 31479..31637		
Seq. No.	50458	Seq. ID	OJ990630_13.0421.C7
Gene No.	107119	Strand	-
Start	33886	End	35721
Name	OJ990630_13.0421.C7.o7.tm	Method	TBLASTX:Maize